CLEVERA
THRIVE THROUGH CLEVERNESS

MEAN
STACK
Cookbook

Full Stack MEAN Developer Program

Express

Angular.js

E

A

MEAN

Mongo DB

node
JS

Node.js
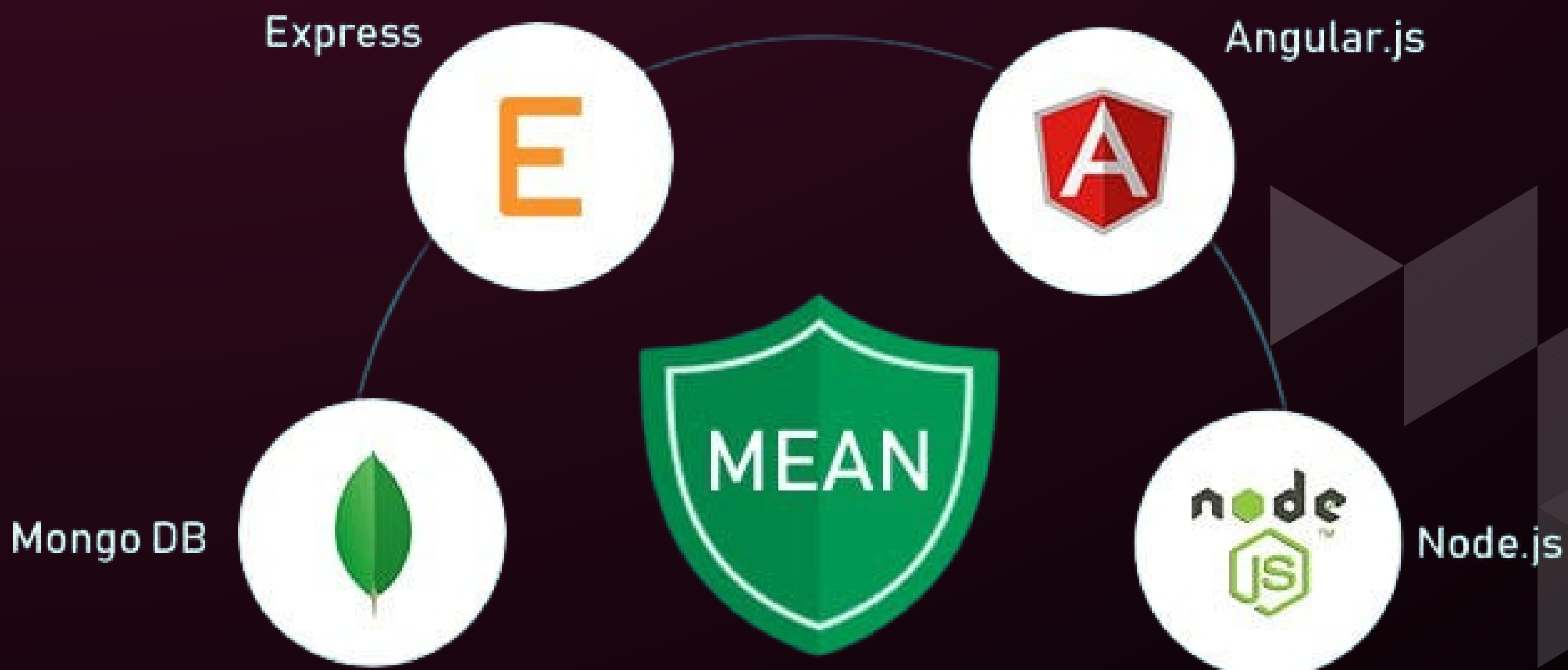
This example of
  Single::ToString( ),
  Single::ToString(String^),
  Single::ToString(IFormatProvider^), and
  Single::ToString(String^, IFormatProvider^)
generates the following output when run in the [en-US] culture.
A Single number is formatted with various combinations of format
strings and IFormatProvider.

IFormatProvider is not used; the default culture is [en-US]:
  No format string: 11876.54
  'N5' format string: 11,876.54000
  'E' format string: 1.187654E+004
  'E5' format string: 1.18765E+004

A CultureInfo object for [nl-NL] is used for the IFormatProvider:
  No format string: 11876.54
  'N5' format string: 11.876,54000
  'E' format string: 1.187654E+004

A NumberFormatInfo object with digit group size = 2 and
digit separator = '_' is used for the IFormatProvider:
  'N' format string: 1_18_76.54
  'E' format string: 1.187654E+004
Press any key to continue . . . _

About The Course

This Full Stack MEAN Developer program provides complete knowledge of software development and testing technologies such as JavaScript, Node.js, Angular, Docker, and Protractor. You'll build an end-to-end application, test and deploy code, and store data using MongoDB.

MEAN

About Software Development Industry

The global software engineering market is expected to grow to approximately USD $37.4 billion by 2022, at a CAGR of nearly 12 percent. Corporate initiatives focused on digital transformation will help drive demand for skilled software developers, which is reflected in current hiring trends and future projections. According to NASSCOM and USA Today, one million software development jobs will be added to the workforce by 2020 in India and 1.4 million jobs in the United States.

Many companies prefer to hire multi-skilled technology professionals such as automation test engineers. The average annual salary for an automation test engineer is USD $94,270 (ZipRecruiter).

Additional facts about the state of the software development industry:

- Junior developers are getting massive starting salaries compared to those of the last 20 years.

- Upskilling is one of the most important priorities for developers today (Stackoverflow 2019)

- The phenomenal rise of consumer applications in both web and mobile is driven by the availability of open-source projects and libraries

- Smaller, quicker releases—which results in better productivity—are becoming crucial for software product success. Automation engineers are well-positioned to empower this trend.

Key Features

Comprehensive Blended Learning program

120 hours of self-paced learning

Choose from 4 industry- aligned capstone projects

270 hours of in-depth training

20+ in-demand tools and skills

Job-assist program included

150 hours of instructor- led training

10 lesson-end & 4 phase - end projects

Along with this, 24x7 Support Available.

Top Skills and Tools Covered

- Agile
- Git
- HTML
- CSS
- JavaScript
- BootStrap
- MongoDB
- Sockets.io
- API testing with Postman

- TypeScript
- Angular
- Node.js
- HTTP
- REST API
- Express.js
- KoaJS
- BitBucket

What You Will Learn In This Program?

Specifically, in this program you will learn how to:

▶ Set up a .NET Core project to create a Web API. Implement RESTful endpoints to interact with the backend.

▶ Create dynamic and interactive web pages using ASP.NET Core MVC or Angular/React for the frontend.

▶ Connect your .NET Core backend with a database using Entity Framework Core for seamless data operations.

▶ Implement user authentication and authorization mechanisms to secure your application.

▶ Explore the power of dependency injection and middleware in .NET Core for modular and scalable development.

▶ Extend your application with advanced features like file upload and pagination for a richer user experience.

▶ Implement robust error handling and logging strategies to identify and resolve issues effectively.

Learn how to deploy your .NET application and explore DevOps practices for continuous integration and deployment.

STEP ① ② ③ ④ ⑤

Get Started With Web Development

Brush up on your knowledge of software development fundamentals; Agile and Scrum methodologies; HTML, CSS, JavaScript to create dynamic websites; and GIT to manage version control systems.

Course Learning Objectives:

After completing this phase, you will:

- Understand the basics of agile methodologies and GIT
- Become familiar with HTML, CSS, and JavaScript fundamentals.

Skills and Tools Covered:

- Agile
- Scrum
- Git

- HTML
- CSS

- Javascript
- BootStrap

STEP 1 2 3 4 5

Create websites using Front and Back-end framework

Familiarize yourself with the front and back-end technologies by implementing knowledge of Angular and Node.js. Use TypeScript to enable IDEs to provide a richer environment for spotting common errors as you type the code.

Course Learning Objectives:

After completing this phase you will:

- Create dynamic websites using Angular and Node.js
- Evaluate test cases and errors using TypeScript
- Use Angular to build single-page client-side web applications.
- Implement Node.js to build fast and scalable server-side networking applications.

Skills and Tools Covered:

- TypeScript
- Angular
- Node.js

STEP

Create Scalable and Dynamic Websites

Build scalable websites for diverse clients using REST API, Node.js, and Express.js. Store all your data in a highly scalable, flexible, and distributed NoSQL database – MongoD

Course Learning Objectives:

After completing this phase you will:

➤ Create Restful API design with Node, Express, and MongoDB

➤ Simplify development and write easy, secure, concrete, and fast applications using Express.js

➤ Store large volumes of data and manage them using MongoDB

Skills and Tools Covered:

➤ Node.js ➤ Express.js ➤ MongoDB

STEP ① ② ③ ④ ⑤

Test Your Application

This phase will introduce you to testing and how it fits in the software lifecycle. It will provide you with hands-on training API testing with Postman, how to deploy in cloud, and host your website.

Course Learning Objectives:

After completing this phase you will:

- ▶ Implement testing with Jasmine
- ▶ Perform API testing with Postman
- ▶ Deploy test cases in the cloud using DevOps
- ▶ Analyze log data using ELK Stack

Skills and Tools Covered:

- ▶ Postman
- ▶ Docker
- ▶ Git
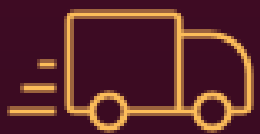
STEP ① ② ③ ④ **5**

Full Stack MEAN Developer Project

E- commerce

Create a dynamic and responsive Java e-commerce web application using technologies such as Angular, React, MongoDB, and Docker.

Food Delivery

Build a food-delivery app from scratch using your knowledge of the Spring framework, web services, and MongoDB with a strong back end to support operations.

Entertainment

Create an entertainment application like BookMyShow using your back-end knowledge, API development, and HTML and CSS skills.

Healthcare

Build a dynamic and effective healthcare app. Create a rich UI for effective diagnosis and health advice with Angular, Javascript, TypeScript, ES6, and many more.

About Clevera

Clevera: Where Innovation Meets Expertise. Your one-stop platform for empowering your business through technology and expertise. We are a passionate team of trailblazers, dedicated to empowering businesses and individuals to thrive in the dynamic digital landscape. In 2024, Clevera emerged with a bold vision: to bridge the ever-widening gap between the skills demanded by corporations and the training provided by traditional institutions. Recognizing the rapid evolution of the digital landscape and the constant need for individuals to upskill, we set out to create a training paradigm that seamlessly connects these two worlds.

Ready to Code The World?

Bangalore office

Clevera

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