Digi{Coders}
Technologies (P) Ltd.

DigiCoders Technologies Private Limited

Machine Test-2024

Date: 09-06-2023   **Marks: 100**

Instructions (Must read carefully):

1) This Machine Test Duration is <mark>3 Hours</mark> start from **10:00 AM** and End at **01:00 PM**.

2) You must attempt all questions of your section (Choose Technology wise sections).

3) Each question contains 25 Marks. Passing marks are 70 or above.

4) After completing this test, you have to mail all answers in ZIP folder at the following   E-Mail – **thedigicoders@gmail.com**, in mail body you have to mention **Your Name, Father Name, Mobile Number, College Name, Branch and Your technology name.**

5) Your maximum time is to complete this test is **3 hours**, so your mail must be received **before 01:15 PM** anyhow, otherwise your answer will not accept by us, and your machine test will be cancelled and you will not get another chance to attempt this again.

6) If you have any doubts then contact at 9140967607/6394296293.

<mark>**Note:**</mark> <mark>Find your section of questions as per technology, attempt only one section.</mark>
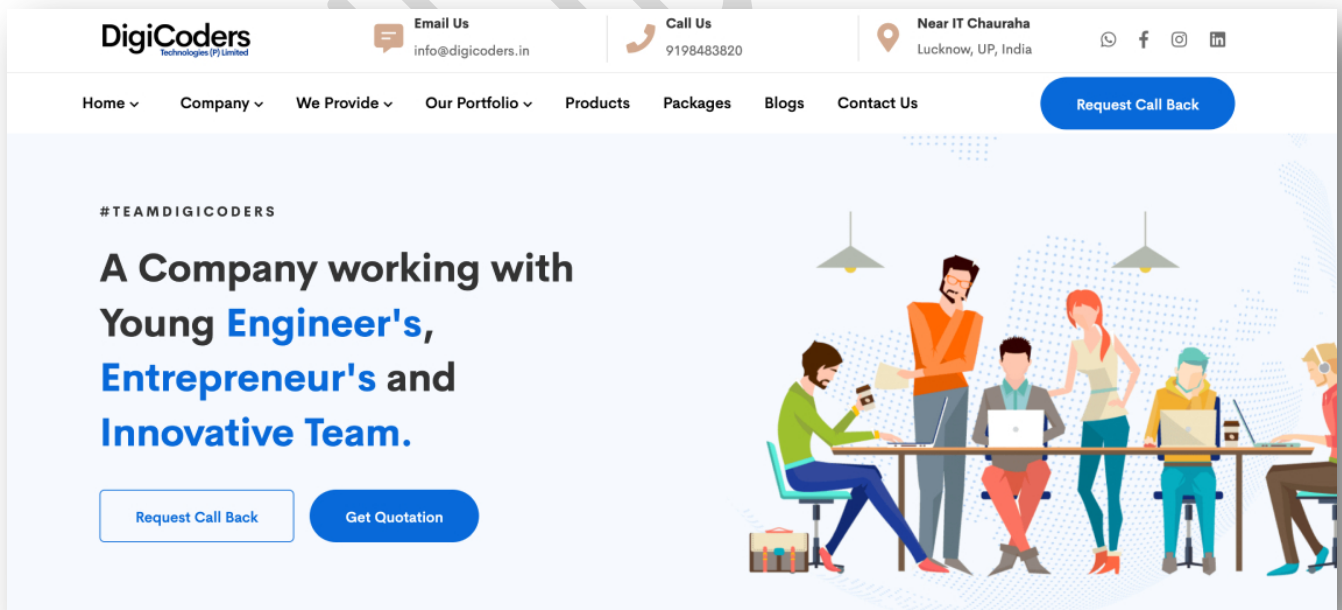
Section 1 – For PHP Technology

Q.1) Write a Program in C to input a string of characters from user maximum size 100, and determine following lengths in String:

  a) No of Characters

  b) No of Alphabets

  c) No of Vowels

  d) No of Consonants

  e) No of Digits

  f) No of Words

  g) No of Special Symbols

Q.2) Create a web page using HTML & CSS to input user date of birth and calculate user Age from DOB and Current Date using JavaScript.

Q.3) Design a web page using HTML, CSS, JavaScript and PHP and create a Student Registration form with following fields – Name, DOB, Category, Email, Mobile, Password, College, Branch and Year and validate this form using JavaScript and insert it into Database using PHP and MySQL.

Q.4) Design following page using HTML, CSS and Bootstrap, this page must be fully responsive for laptop, table and mobile devices.
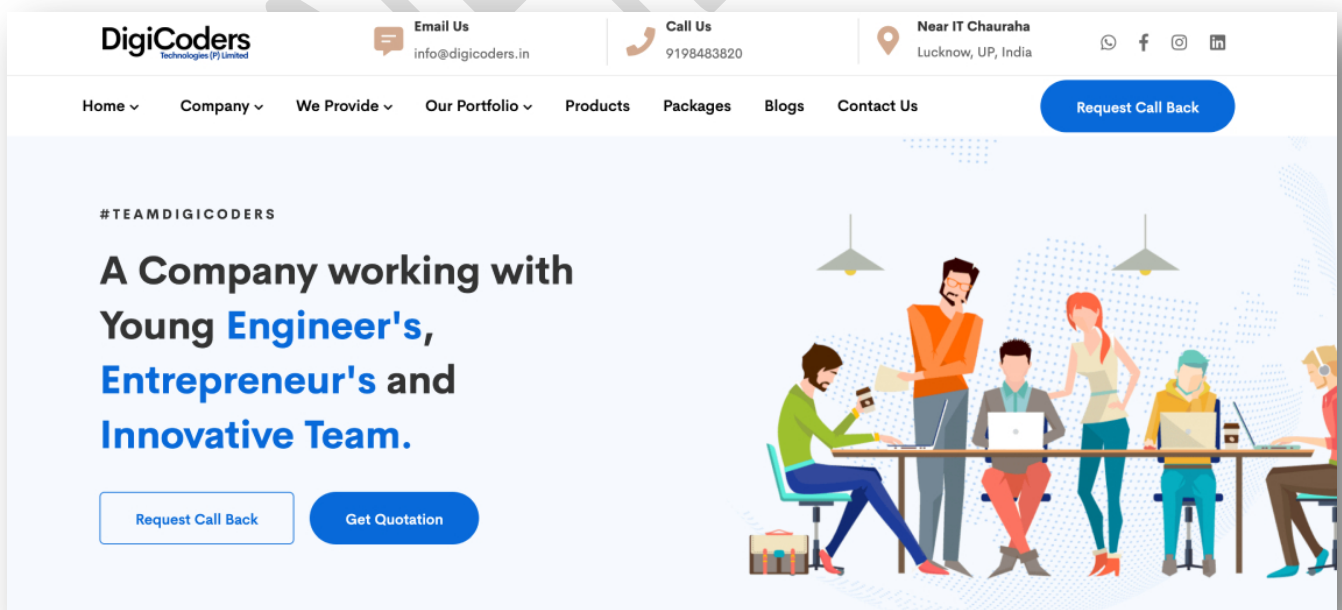
Section 2 – For ASP.Net Technology

Q.1) Write a Program in C# (C Sharp) to input a string of characters from user maximum size 100, and determine following lengths in String:

> a) No of Characters
>
> b) No of Alphabets
>
> c) No of Vowels
>
> d) No of Consonants
>
> e) No of Digits
>
> f) No of Words
>
> g) No of Special Symbols

Q.2) Create a web page in visual studio using HTML & CSS to input user date of birth and calculate user Age from DOB and Current Date using JavaScript or C#.

Q.3) Design a web page in visual studio using HTML, CSS, JavaScript and ASP.Net and create a Student Registration form with following fields – Name, DOB, Category, Email, Mobile, Password, College, Branch and Year and validate this form using JavaScript or ASP.Net and insert it into Database using ASP.Net, C#, MS-SQL and ADO.Net

Q.4) Design following page using HTML, CSS and Bootstrap, this page must be fully responsive for laptop, table and mobile devices.
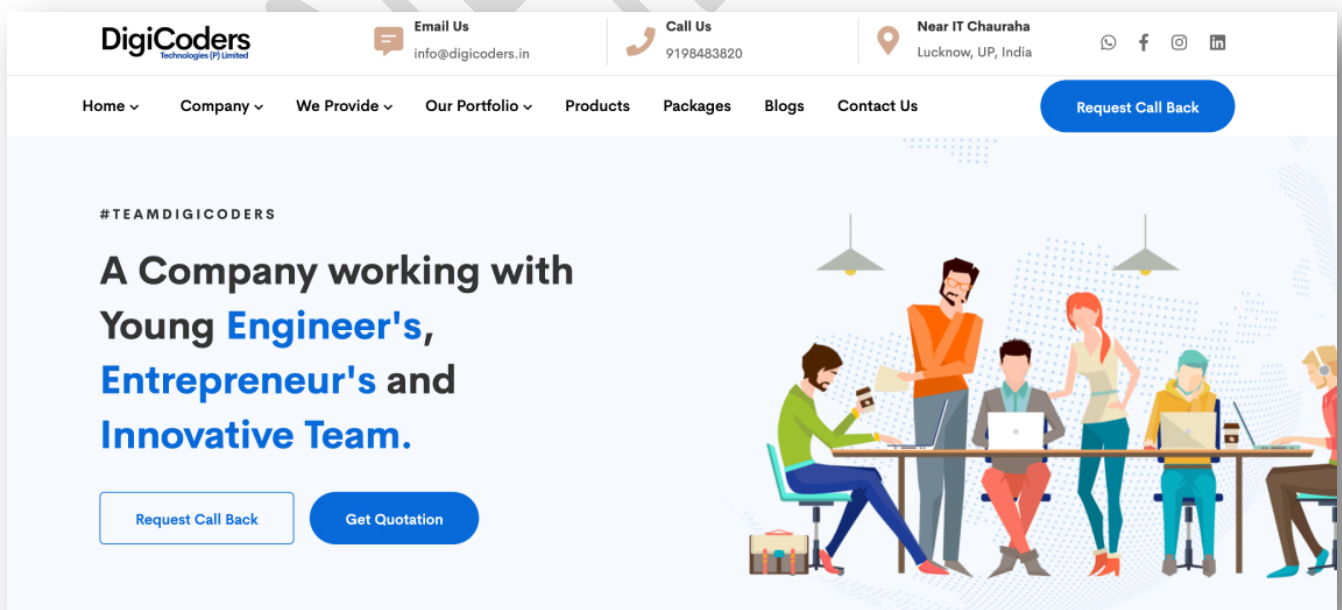
Section 4 – For Java Technology

Q.1) Write a Program in Core Java to input a string of characters from user maximum size 100, and determine following lengths in String:

    a) No of Characters

    b) No of Alphabets

    c) No of Vowels

    d) No of Consonants

    e) No of Digits

    f) No of Words

    g) No of Special Symbols

Q.2) Create a web page in Netbeans using HTML & CSS to input user date of birth and calculate user Age from DOB and Current Date using JavaScript or JSP.

Q.3) Design a web page in Netbeans using HTML, CSS, JavaScript and JSP and create a Student Registration form with following fields – Name, DOB, Category, Email, Mobile, Password, College, Branch and Year and validate this form using JavaScript and insert it into Database using JSP, JDBC and MySQL.

Q.4) Design following page using HTML, CSS and Bootstrap, this page must be fully responsive for laptop, table and mobile devices.

Section 5 – For Android/Flutter Technology

Q.1) Write a Program in Core Java to input a string of characters from user maximum size 100, and determine following lengths in String:
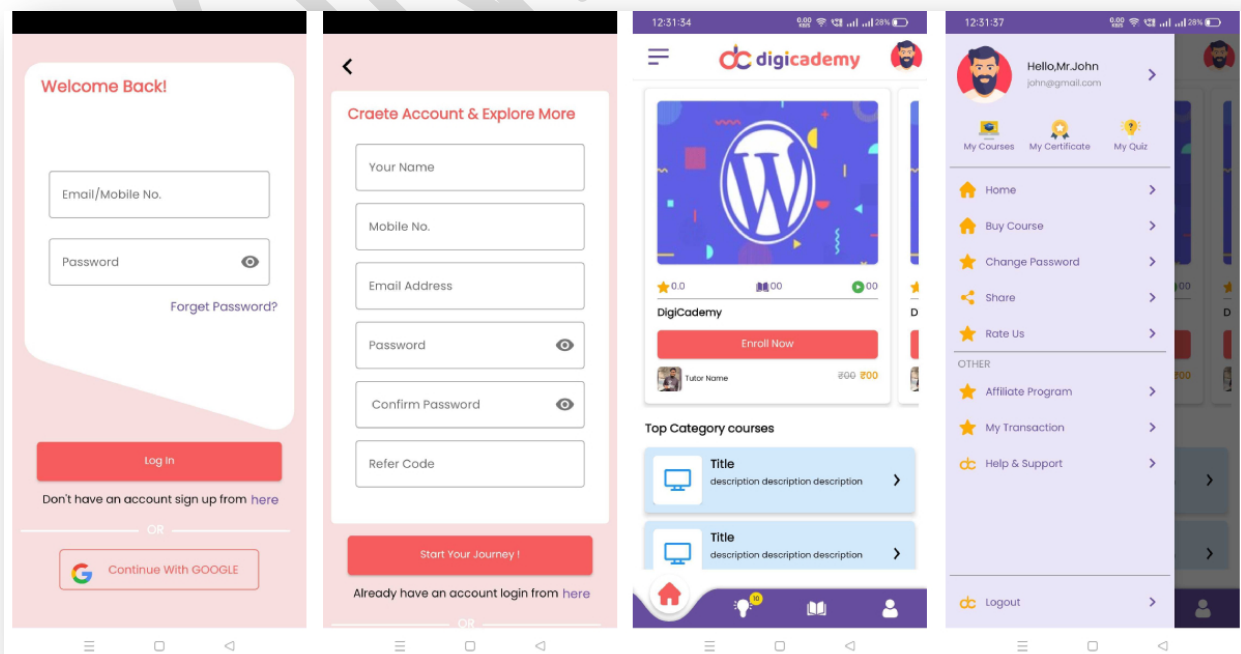
    a) No of Characters

    b) No of Alphabets

    c) No of Vowels

    d) No of Consonants

    e) No of Digits

    f) No of Words

    g) No of Special Symbols

Q.2) Create an Flutter/Android Application to make an Todo List Application with following features, using Local array, without using any API/Database.

- User can create a Todo Task
- Users can View, Completed and InCompleted Tasks
- User can Delete and Mark as Completed tasks.

Q.3) Create an Android/Flutter Application and create a Student Registration form with following fields – Name, DOB, Category, Email, Mobile, Password, College, Branch and Year and validate this form on submit and show data in a next page with all details.

Q.4) Design Following Four Screens Android App in Android Studio, A Login page, Registration Page, Course Home Page along with Customized Navigation Drawer.
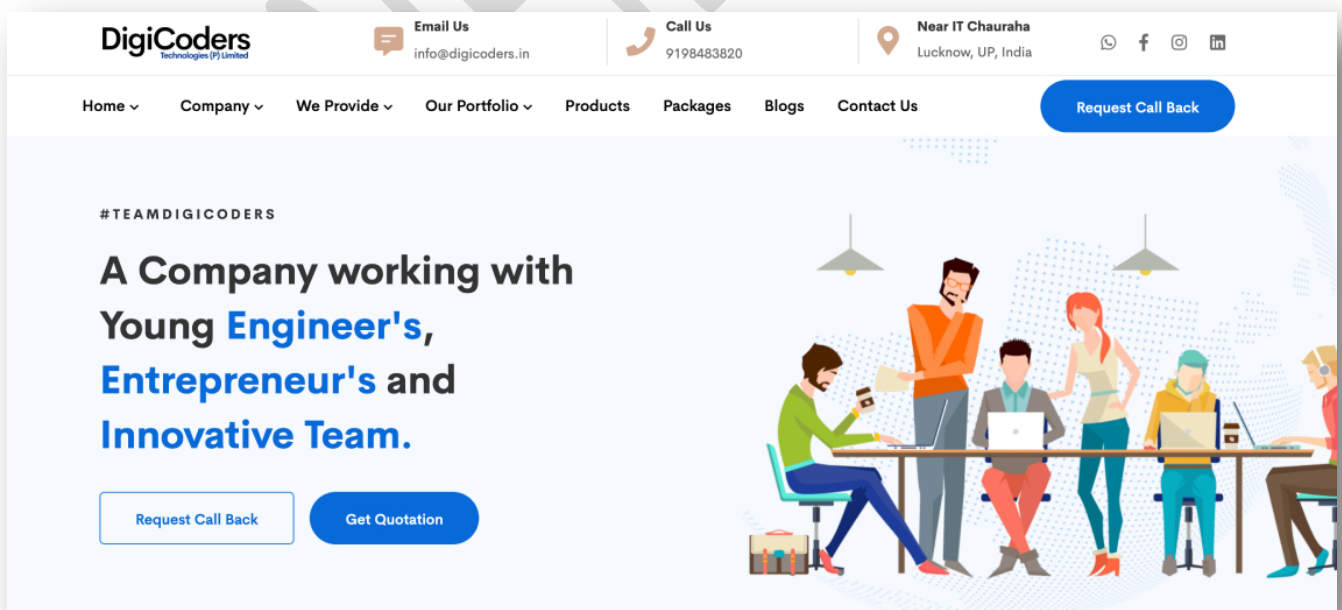
Section 5 – For Python Technology

Q.1) Write a Program in C to input a string of characters from user maximum size 100, and determine following lengths in String:

    a) No of Characters

    b) No of Alphabets

    c) No of Vowels

    d) No of Consonants

    e) No of Digits

    f) No of Words

    g) No of Special Symbols

Q.2) Create a web page using HTML & CSS to input user date of birth and calculate user Age from DOB and Current Date using JavaScript.

Q.3) Design a web page using HTML, CSS, JavaScript and Python and create a Student Registration form with following fields – Name, DOB, Category, Email, Mobile, Password, College, Branch and Year and validate this form using JavaScript and insert it into Database using Python and MySQL.

Q.4) Design following page using HTML, CSS and Bootstrap, this page must be fully responsive for laptop, table and mobile devices.

Section 6 – For MERN Stack Technology

Q.1) Write a Program in ReactJS to input a string of characters from user maximum size 100, and determine following lengths in String:

    a) No of Characters

    b) No of Alphabets

    c) No of Vowels

    d) No of Consonants

    e) No of Digits

    f) No of Words

    g) No of Special Symbols

Q.2) Create a web page in ReactJS to input user date of birth and calculate user Age from DOB and Current Date using JavaScript/ReactJS.

Q.3) Design a web page in ReactJS, create a Student Registration form with following fields – Name, DOB, Category, Email, Mobile, Password, College, Branch and Year and validate this form using JavaScript and save data in a table below the form, without using Database.

Q.4) Design following page using ReactJS and Bootstrap, this page must be fully responsive for laptop, table and mobile devices.