

NAME :RENUJAN J.

**REG\_NO.** :2022/E/065

**DATE** :06 NOV 2023

## **QUESTION 01**

#### Source Code

```
Enter your first name and last name: Jeyakkumar Renujan
Enter your Age: 21
Enter your learnerNo(You don't have learnerNo type 0): 2
Enter your Aptitude Medical CertificateNo: 34

Name - Jeyakkumar Renujan
Age - 21
learnerNo - 2
Medical CertificateNo - 34

you are eligible as driver

Process returned 0 (0x0) execution time: 24.487 s
Press any key to continue.
```

```
Enter your first name and last name: Jeyakumar Renujan
Enter your Age: 18
Enter your learnerNo(You don't have learnerNo type 0): 1
Enter your Aptitude Medical CertificateNo: 12

Name - Jeyakumar Renujan
Age - 18
learnerNo - 1
Medical CertificateNo - 12

Your not eligibility to get driver license
because Your a age is less than 18 so you can't take for practical exam.

Process returned 0 (0x0) execution time : 17.977 s
Press any key to continue.
```

```
Enter your first name and last name: Jeyakumar Renujan
Enter your Age: 18
Enter your learnerNo(You don't have learnerNo type 0): 0
Enter your Aptitude Medical CertificateNo: 34

Name - Jeyakumar Renujan
Age - 18
learnerNo - 0
Medical CertificateNo - 34

Your not eligibility to get driver license
because You failed the written exam.

Process returned 0 (0x0) execution time : 17.950 s
Press any key to continue.
```

```
Enter your first name and last name: Jeyakumar Renujan
Enter your Age: 17
Enter your learnerNo(You don't have learnerNo type 0): 0
Enter your Aptitude Medical CertificateNo: 5

Name - Jeyakumar Renujan
Age - 17
learnerNo - 0
Medical CertificateNo - 5

Your not eligibility to get driver license
because your age is less than 17.

Process returned 0 (0x0) execution time: 20.408 s
Press any key to continue.
```

### **QUESTION 02**

#### Source Code

```
// Question 02
        // RENUJAN
        // 2022/E/065
        // Group: B
        // Lab: 03
        // Program Description: Using switch case to check the eligibility of the student to go next level.
        // Certificate of Authenticity:
        // I certify that the code in the method function main of this project
10
             is entirely my own work.
        #include <iostream>
12
13
        using namespace std;
14
15
         int main()
17
              string name, reg_no, subject, Print;
18
              char grade;
19
              cout << "Enter Your name: ";</pre>
              getline(cin, name);
20
21
              cout << "Enter your Reg_no (20xx/E/xxx): ";</pre>
22
              cin >> reg no;
              cout << "Enter the Subject: ";
24
              cin >> subject;
cout << "Enter the Grade(A/B/C/D): ";</pre>
25
26
              cin >> grade;
27
              cout <<endl;
              // Display the student details cout << "Name - "<<name<<"\nReg_ng - "<<reg_no<<"\nSubject - "<<subject;
29
30
31
              cout <<"\nGrade - "<<grade<<endl;</pre>
32
33
34
                  case 'A': cout << "\nExcellent, your grade is A."; break;
case 'B': cout << "\nWell done, your grade is B."; break;
case 'C': cout << "\nYou passed, your grade is C."; break;
case 'D': cout << "\nBetter try again, your grade is D."; break;</pre>
36
38
                   default: cout << "\nInvalid grade.";</pre>
39
40
41
              return 0;
42
```

#### Output

```
Enter Your name: Jeyakumar Renujan
Enter your Reg_no (20xx/E/xxx): 2022/E/065
Enter the Subject: Computing
Enter the Grade(A/B/C/D): A

Name - Jeyakumar Renujan
Reg_no - 2022/E/065
Subject - Computing
Grade - A

Excellent, your grade is A.

Process returned 0 (0x0) execution time : 21.241 s

Press any key to continue.
```

```
Enter Your name: Jeyakumar Renujan
Enter your Reg_no (20xx/E/xxx): 2022/E/065
Enter the Subject: Metrology
Enter the Grade(A/B/C/D): C

Name - Jeyakumar Renujan
Reg_no - 2022/E/065
Subject - Metrology
Grade - C

You passed, your grade is C.

Process returned 0 (0x0) execution time : 38.718 s

Press any key to continue.
```

```
Enter Your name: Jeyakumar Renujan
Enter your Reg_no (20xx/E/xxx): 2022/E/065
Enter the Subject: Maths
Enter the Grade(A/B/C/D): a

Name - Jeyakumar Renujan
Reg_no - 2022/E/065
Subject - Maths
Grade - a

Invalid grade.

Process returned 0 (0x0) execution time : 26.349 s
Press any key to continue.
```

# **QUESTION 03**

# Source Code

# Part a – Using for loop

```
Question 03 part a
        // 2022/E/065
        // Group: B
// Lab: 03
    // Lau. 03
// Program Description: find the summation of positive numbers of them
// Certificate of Authenticity:
        // I certify that the code in the method function main of this project
10
            is entirely my own work.
12
14
15
        int main()
16
17
      ₽{
             int num, sum = 0;
cout << "Enter 10 numbers: ";</pre>
18
19
             for (int i=1; i<=10; i++)
                  cin >> num;
21
                 if (num>0)
23
                       sum = sum+num;
25
             cout << "Summation: "<< sum <<endl;</pre>
26
             return 0;
28
```

# Part b – Using While loop

# Part c – Using do while loop

```
Ouestion 03 part c
            2022/E/065
            EC2010
        // Group: B
        // Program Description: find the summation of positive numbers of them using
        // Certificate of Authenticity:
// I certify that the code in the method function main of this project
10
            is entirely my own work.
12
13
14
15
16
        int main()
17
18
             int i = 1, num, sum = 0;
cout << "Enter 10 numbers: ";</pre>
19
             do
20
21
                  cin >> num;
23
                  if (num>0)
24
25
             sum = sum+num;
}while(i<=10);</pre>
               cout << "Summation: "<< sum <<endl;
             return 0;
```

### <u>Output</u>

```
Enter 10 numbers: 2
5
3
8
7
4
3
8
9
4
Summation: 53

Process returned 0 (0x0) execution time : 24.946 s
Press any key to continue.
```

```
Enter 10 numbers: 2
5
-3
-8
7
4
3
8
9
4
Summation: 42
Process returned 0 (0x0) execution time : 27.246 s
Press any key to continue.
```