Answers –lab sheet 4

- Question 1

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 4\201151\201151_Q1.exe

Enter number two numbers : 5 6
5 + 6 = 11
--------------------------------
Process exited after 4.923 seconds with return value 11
Press any key to continue . . . _
```

- Question 2

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 4\201151\201151_Q2.exe

Enter the number : 1
 count = 1
Enter the number : 2
 count = 2
Enter the number : 5
 count = 3
Enter the number : 8
 count = 4
Enter the number : 9
 count = 0
Enter the number : 12
 count = 1
Enter the number : 25
 count = 2
Enter the number : 63
 count = 0
Enter the number : 80
 count = 1
```

- # Question 3

```
Enter the length of side of the cube   : 5
Surface area of the cube : 150
Volume of the cube : 125


---------------------------------
Process exited after 2.139 seconds with return value 25
Press any key to continue . . . _
```

- # Question 4

```
Enter the number of overs played : 5
Enter the current runrate : 8
Prediction of the projected score for current run rate : 120
Higher runrates of the inning and their predicate scores for remaining overs:
No Higher values

Enter the number of overs played : 8
Enter the current runrate : 7
Prediction of the projected score for current run rate : 84
Higher runrates of the inning and their predicate scores for remaining overs:
8.00 per over    : 96

Enter the number of overs played : 13
Enter the current runrate : 9
Prediction of the projected score for current run rate : 63
Higher runrates of the inning and their predicate scores for remaining overs:
No Higher values

Enter the number of overs played : 16
Enter the current runrate : 6.4
Prediction of the projected score for current run rate : 25
Higher runrates of the inning and their predicate scores for remaining overs:
7.00 per over    : 28
8.00 per over    : 32
9.00 per over    : 36

Enter the number of overs played : 20
number of played overs is higher than or equel to Total overs

---------------------------------
```

- Question 5

```
ROCK PAPER SCISSOR
CHOOSE ONE FROM FOLLOWING CHOICE
 ROCK =1
 PAPER=2
 SCISSORS=3
Rules: ROCK breaks SCISSORS, SCISSORS cut PAPER, PAPER covers ROCK.
Enter the number of your choice : 1
Your choice = 1 Computer choice = 2

        You lost
        Try again

If you want to exit from game type any number except game keys.

Enter the number of your choice : 3
Your choice = 3 Computer choice = 3

        Match was tie

If you want to exit from game type any number except game keys.

Enter the number of your choice : 3
Your choice = 3 Computer choice = 1

        You lost
        Try again

If you want to exit from game type any number except game keys.

Enter the number of your choice : 2
Your choice = 2 Computer choice = 1

        Congratulations!
         You Won.

If you want to exit from game type any number except game keys.

Enter the number of your choice : 7

-------------------------------
Process exited after 23.69 seconds with return value 7
Press any key to continue . . .
```

- ## Question 6


```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 4\201151\201151_Q6.exe

n = 8
r = 5

8C5 = 56
---------------------------------
Process exited after 3.735 seconds with return value 10
Press any key to continue . . .
```

- ## Question 7


```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 4\201151\201151_Q7.exe

Enter your NIC(just 9 without v) : 997791312

Date of birthday of NIC owner = 1999.10.05
---------------------------------
Process exited after 16.53 seconds with return value 44
Press any key to continue . . . _
```

- ## Question 8


```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 4\201151\201151_Q8.exe

Enter two integers: 10 25

GCD(10,25) = 5
---------------------------------
Process exited after 8.344 seconds with return value 16
Press any key to continue . . .
```

- Question 9

G:\UCSC 1st sem\SCS1202_2020\lab sheet 4\201151\201151_Q9.exe

```
Enter the first value of range : 5
Enter the last value of range : 8

Sum of 2nd power between 5 and 8 = 174
--------------------------------
Process exited after 1.902 seconds with return value 39
Press any key to continue . . .
```

- Question 10

G:\UCSC 1st sem\SCS1202_2020\lab sheet 4\201151\201151_Q10.exe

```
Factorial of 1 = 1
Factorial of 2 = 2
Factorial of 3 = 6
Factorial of 4 = 24
Factorial of 5 = 120
Factorial of 6 = 720
Factorial of 7 = 5040
Factorial of 8 = 40320
Factorial of 9 = 362880
Factorial of 10 = 3628800

--------------------------------
Process exited after 0.08628 seconds with return value 26
Press any key to continue . . . _
```