Answers –lab sheet 5

• Question 1

■ G:\UCSC 1st sem\SCS1202_2020\lab sheet 5\201151\201151_Q1.exe

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		*****	****** 1	MULTIPLIC	CATION TA	ABLE ****	*******	**		
	1 ~	2 ~	3 ~	4 ~	5 ~	6 ~	7 ~	8 ~	9 ~	10 ~
1 >	1	2	3	4	5	6	7	8	9	10
2 >	2	4	6	8	10	12	14	16	18	20
3 >	3	6	9	12	15	18	21	24	27	30
4 >	4	8	12	16	20	24	28	32	36	40
5 >	5	10	15	20	25	30	35	40	45	50
6 >	6	12	18	24	30	36	42	48	54	60
7 >	7	14	21	28	35	42	49	56	63	70
8 >	8	16	24	32	40	48	56	64	72	80
9 >	9	18	27	36	45	54	63	72	81	90
10 >	10	20	30	40	50	60	70	80	90	100

• Question 3

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 5\201151\201151_Q3.exe

Total of the elements in the array = 855.26

Average of the elements in the array = 57.02

Minimum element in the array = 9.30

Maximum element in the array = 98.40

Element(s) which appears the maximum number of times in the array = {98.40}
```

Question 4

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 5\201151\20115

Enter the score of student no 1 : 79

Enter the score of student no 2 : 91

Enter the score of student no 3 : 64

Enter the score of student no 4 : 51

Enter the score of student no 5 : 43

Grades of students

student No 1 : B

student No 2 : A

student No 3 : C

student No 4 : D

student No 5 : F
```

```
Enter element 1 : 1
Enter element 2 : 4
Enter element 3 : 6
Enter element 5 : 1
Enter element 7 : 9
Enter element 8 : 3
Enter element 9 : 5
Enter element 9 : 5
Enter element 10 : 4
```

Question 6

```
Enter element 1: 18
Enter element 2: 16
Enter element 3: 50
Enter element 5: 2
Enter element 6: 76
Enter element 7: 42
Enter element 9: 81
Enter element 10: 9

Unsorted array: {18,16,50,64,2,76,42,37,81,9}
sorted array: {2,9,16,18,37,42,50,64,76,81}

Process exited after 69.74 seconds with return value 2
Press any key to continue . . . _
```

Question 8

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 5\201151\201151_Q8 .exe

Enter the number 1:50

Enter the number 2:2

Enter the number 3:1

Enter the number 4:9

Enter the number 5:0

50,2,1,9,0 the largest possible number is 950210
```

Question 9

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 5\201151\201151_Q9.exe

Enter the start value of range : 10

Enter the end value of range : 20

The number of 2s in given range of integers is 2
```

■ G:\UCSC 1st sem\SCS1202_2020\lab sheet 5\201151\201151_Q10.exe

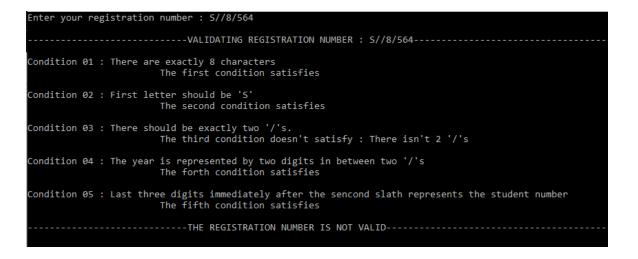
Enter a string : eat resault : eating

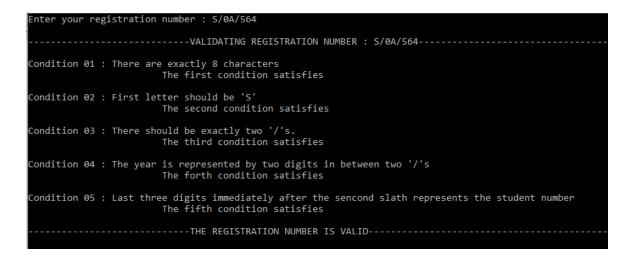
Enter a string : string resault : stringly

Question 11

■ G:\UCSC 1st sem\SCS1202_2020\lab sheet 5\201151\201151_Q11.exe

Enter your registration number : S/096/76
VALIDATING REGISTRATION NUMBER : S/096/76
Condition 01 : There are exactly 8 characters The first condition satisfies
Condition 02 : First letter should be 'S' The second condition satisfies
Condition 03 : There should be exactly two '/'s. The third condition satisfies
Condition 04 : The year is represented by two digits in between two '/'s The forth condition doesn't satisfy : There isn't batch of student in between the two æ/Æs
Condition 05 : Last three digits immediately after the sencond slath represents the student number The fifth condition doesn't satisfy : No integer representation
THE REGISTRATION NUMBER IS NOT VALID





G:\UCSC 1st sem\SCS1202_2020\lab sheet 5\201151\201151_Q12.exe

```
Enter the string : program
String in reverse order : margorp
```

Question 13

■ G:\UCSC 1st sem\SCS1202_2020\lab sheet 5\201151\201151_Q13.exe

```
Enter the parentheses : {15*(6+9)}
It is a balanced parentheses
------
Enter the parentheses : {15*(9+6}
It is a unbalanced parentheses
```

• Question 14

■ G:\UCSC 1st sem\SCS1202_2020\lab sheet 5\201151\201151_Q14.exe

```
phrase : Cut your coat according to the cloth
There is word "cord" in this phrase(letter 17 to 20)
```