Lab sheet 05

Q1

D:\	1202 Pro	gramming o	\Lab sheet	s\c\201180	_Q1.exe				_		×
	********MULTIPLICATION TABLE********										
	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	
		ed after / to cont			ith retu	rn value	0				<u> </u>

```
D:\1202 Programming c\Lab sheets\c\201180_Q2.e...
                                                          Χ
                                                   Matrix 1:
  9 8
Materix 2:
  2 1
Menu option
1.Addition
2.Subtraction
3.Multiplication
Enter your option : 1
09 05 09
   13 06
11 11 09
Process exited after 11.18 seconds with return value 0
Press any key to continue . . .
```

```
D:\1202 Programming c\Lab sheets\c\201180_Q2.e...
                                                    Х
Matrix 1:
3 5 7
  9 8
Materix 2:
  2 1
Menu option
1.Addition
2.Subtraction
3.Multiplication
Enter your option : 2
1.Matrix1-Matrix2
2.Matrix2-Matrix1
Enter your option :1
```

Press any key to continue . . . _

D:\1202 Programming c\Lab sheets\c\201180_Q3.exe

Q3

a)

b)

X

e)

```
X
 D:\1202 Programming c\Lab sheets\c\201180_Q4.exe
Enter the scores of five students
                Score of 1 student: 67
                Score of 2 student: 90
                Score of 3 student: 76
                Score of 4 student : 54
                Score of 5 student : 32
The best score is : 90
The grade of the 1 student is : C
The grade of the 2 student is : A
The \mathsf{grade} of the 3 \mathsf{student} is : \mathsf{B}
The grade of the 4 student is : D
The grade of the 5 student is : F
Process exited after 15.65 seconds with return value 0
Press any key to continue . . . _
```

Q5

```
D:\1202 Programming c\Lab sheets\c\201180_Q5.exe

Enter your ten numbers:
12 7 7 45 2 10 4 5 10 10

The distict elements are: 12 7 45 2 10 4 5
The no of distinct elements is: 7

Process exited after 27.6 seconds with return value 0

Press any key to continue . . . _
```

```
D:\1202 Programming c\Lab sheets\c\201180_Q6.exe — X

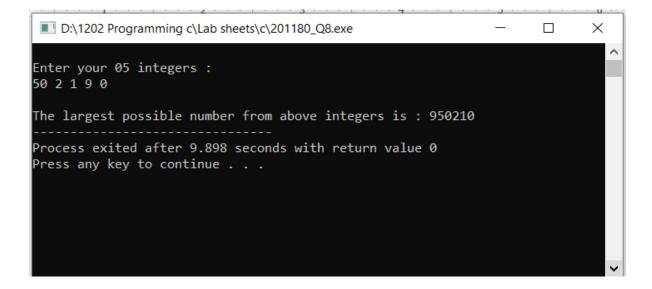
Enter your 10 elements:
10 9 8 7 6 5 4 3 2 1

The sorted number list is:
1 2 3 4 5 6 7 8 9 10

Process exited after 12.3 seconds with return value 0

Press any key to continue . . .
```

Q8



```
Enter your number of integers in your number range :11

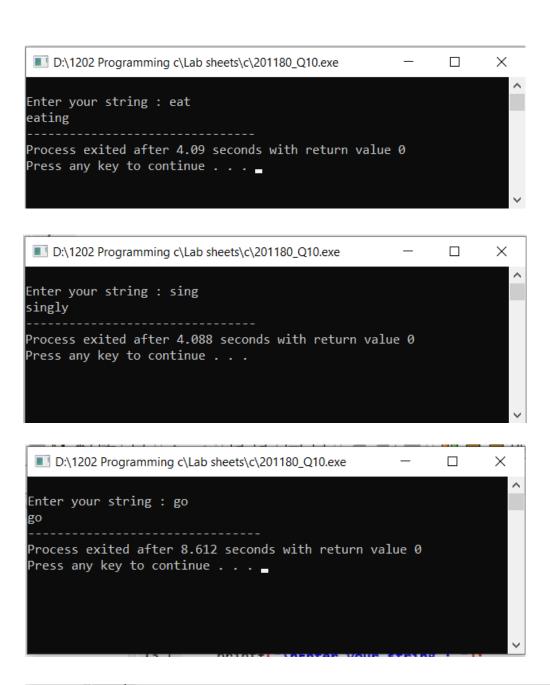
Enter the numbers in the range :
10 11 12 13 14 15 16 17 18 19 20

No of 2's in given range is : 2

Process exited after 15.01 seconds with return value 0

Press any key to continue . . . _
```

Q11

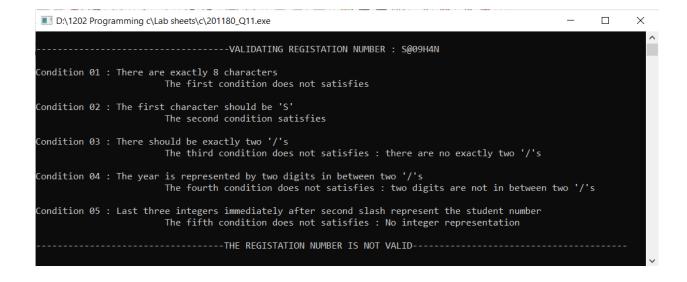


```
D:\1202 Programming c\Lab sheets\c\201180_Q11.exe
                                                                                                          ×
                    -----VALIDATING REGISTATION NUMBER : E/08/465
Condition 01 : There are exactly 8 characters
                       The first condition satisfies
Condition 02 : The first character should be 'S'
                       The second condition does not satisfies : First character is not 's'
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 fourth condition satisfies
Condition 05 : Last three integers immediately after second slash represent the student number
                       The fifth condition satisfies
                        -----THE REGISTATION NUMBER IS NOT VALID------
                                                                                                          ×
 D:\1202 Programming c\Lab sheets\c\201180_Q11.exe
                                                                                                    -----VALIDATING REGISTATION NUMBER : S0967854
 Condition 01 : There are exactly 8 characters
                       The first condition satisfies
Condition 02 : The first character should be 'S'
                       The second condition satisfies
Condition 03 : There should be exactly two '/'s
                       The third condition does not satisfies : there are no exactly two '/'s
Condition 04 : The year is represented by two digits in between two '/'s
                      The fourth condition does not satisfies : two digits are not in between two '/'s
Condition 05 : Last three integers immediately after second slash represent the student number
                       The fifth condition does not satisfies: No integer representation
       -----THE REGISTATION NUMBER IS NOT VALID------
D:\1202 Programming c\Lab sheets\c\201180_Q11.exe
                                                                                                   ×
                     -----VALIDATING REGISTATION NUMBER : S/096/76
Condition 01 : There are exactly 8 characters
                      The first condition satisfies
Condition 02 : The first character 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 fourth condition does not satisfies : two digits are not in between two '/'s
Condition 05 : Last three integers immediately after second slash represent the student number
                      The fifth condition does not satisfies: No integer representation
              ------THE REGISTATION NUMBER IS NOT VALID-------THE REGISTATION NUMBER IS NOT VALID-----
D:\1202 Programming c\Lab sheets\c\201180_Q11.exe
                                                                                                    ×
           -----VALIDATING REGISTATION NUMBER : S//09475
Condition 01 : There are exactly 8 characters
                      The first condition satisfies
Condition 02 : The first character 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 fourth condition does not satisfies : two digits are not in between two '/'s
Condition 05 : Last three integers immediately after second slash represent the student number
```

The fifth condition satisfies

```
D:\1202 Programming c\Lab sheets\c\201180_Q11.exe
                                                                                                       П
                                                                                                              ×
                        -----VALIDATING REGISTATION NUMBER : S//8//564
 Condition 01 : There are exactly 8 characters
                        The first condition does not satisfies
 Condition 02 : The first character should be 'S'
                        The second condition satisfies
 Condition 03 : There should be exactly two '/'s
                        The third condition does not satisfies : there are no exactly two '/'s
 Condition 04 : The year is represented by two digits in between two '/'s
                        The fourth condition does not satisfies : two digits are not in between two '/'s
 Condition 05 : Last three integers immediately after second slash represent the student number
                        The fifth condition satisfies
                 -----THE REGISTATION NUMBER IS NOT VALID------THE REGISTATION NUMBER
 D:\1202 Programming c\Lab sheets\c\201180_Q11.exe
                                                                                                       -----VALIDATING REGISTATION NUMBER : S/0A/564
Condition 01 : There are exactly 8 characters
                        The first condition satisfies
Condition 02 : The first character 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 fourth condition does not satisfies : two digits are not in between two '/'s
 Condition 05 : Last three integers immediately after second slash represent the student number
                        The fifth condition satisfies
                 -----THE REGISTATION NUMBER IS NOT VALID------
D:\1202 Programming c\Lab sheets\c\201180_Q11.exe
                                                                                                       П
                                                                                                              ×
                      -----VALIDATING REGISTATION NUMBER : S/A9/864
Condition 01 : There are exactly 8 characters
                       The first condition satisfies
Condition 02 : The first character 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 fourth condition does not satisfies : two digits are not in between two '/'s
condition 05 : Last three integers immediately after second slash represent the student number
                       The fifth condition satisfies
                        -----THE REGISTATION NUMBER IS NOT VALID------
 D:\1202 Programming c\Lab sheets\c\201180_Q11.exe
                                                                                                      \times
                       -----VALIDATING REGISTATION NUMBER : S/09/67H
Condition 01 : There are exactly 8 characters
                         The first condition satisfies
Condition 02 : The first character 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 fourth condition satisfies
Condition 05 : Last three integers immediately after second slash represent the student number
                         The fifth condition does not satisfies : No integer representation
```

HE DECTETATION NUMBER TO NOT WALTE



Q13

```
D:\1202 Programming c\Lab sheets\c\201180_Q12.exe — X

Enter your string : LASANTHI

The reverse of your string is : IHTNASAL

Process exited after 6.553 seconds with return value 0

Press any key to continue . . . _
```

■ D:\1202 Programming c\Lab sheets\c\201180_Q13.exe

Enter your string: [{(1+2)*5}/7]

Valid Expression

Process exited after 34.43 seconds with return value 0

Press any key to continue . . . ■

