

## Answers –lab sheet 3

- Question 1(a)

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q1(a).exe
*****
*****
*****
*****
*****
*****
-----
Process exited after 0.153 seconds with return value 10
Press any key to continue . . .
```

- Question 1(b)

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q1(b).exe
*
**
***
****
*****
*****
-----
Process exited after 0.07276 seconds with return value 10
Press any key to continue . . .
```

- Question 1(c)

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q1(c).exe
*****
**  *
* * *
* * *
*  **
*****
-----
Process exited after 0.08766 seconds with return value 0
Press any key to continue . . .
```

- Question 1(d)

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q1(d).exe
*****
*           *
*           *
*           *
*           *
*****

-----
Process exited after 0.07287 seconds with return value 0
Press any key to continue . . .
```

- Question 1(e)

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q1(e).exe
*****
*****
****
***
**
*


-----
Process exited after 0.05972 seconds with return value 10
Press any key to continue . . .
```

- Question 1(f)

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q1(f).exe
*
**
***
****
*****
*****


-----
Process exited after 0.06553 seconds with return value 10
Press any key to continue . . .
```

- Question 2

 G:\UCSC 1st sem\SCS1202\_2020\lab sheet 3\201151\201151\_Q2.exe


```
Enter the page number : 5
Page number 5 is in right side page
-----
Process exited after 4.239 seconds with return value 35
Press any key to continue . . .
```

- Question 3

 G:\UCSC 1st sem\SCS1202\_2020\lab sheet 3\201151\201151\_Q3.exe

```
Enter a number : 7
7 is a odd number
-----
Process exited after 3.258 seconds with return value 17
Press any key to continue . . .
```

- Question 4

 G:\UCSC 1st sem\SCS1202\_2020\lab sheet 3\201151\201151\_Q4.exe

```
Enter the number : 6
SIX
-----
Process exited after 6.254 seconds with return value 3
Press any key to continue . . .
```

- Question 5

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q5.exe
Enter X1 : 6
Enter X2 : 5
Enter Y1 : 3
Enter Y2 : 2
Slope of line is tan(-1)1.0000
-----
Process exited after 4.373 seconds with return value 30
Press any key to continue . . .
```

- Question 6

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q6.exe
Enter unit price of sales product: Rs 250
Quantity : 157

price : Rs 39250.00
discount : 5887.50
Revenue : Rs 33362.50
-----
Process exited after 12.37 seconds with return value 21
Press any key to continue . . .
```

- Question 7

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q7.exe
Enter the character : A
A is an uppercase alphabetic character
-----
Process exited after 2.388 seconds with return value 38
Press any key to continue . . .
```

- Question 8

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q8.exe
Enter the number : 12
12 is divisible by 1
12 is divisible by 2
12 is divisible by 3
12 is divisible by 4
12 is divisible by 6
12 is divisible by 12

-----
Process exited after 14.53 seconds with return value 12
Press any key to continue . . .
```

- Question 9

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q9.exe
Enter the length of number : 8
Enter the number : 11010111
Max number of consecutive 1s is 3

-----
Process exited after 7.526 seconds with return value 33
Press any key to continue . . .
```

- Question 10

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q10.exe
Enter the year : 2011
2011 is not a leap year

-----
Process exited after 4.561 seconds with return value 23
Press any key to continue . . .
```

- Question 11

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q11.exe
Enter the weight(kg) : 45
Enter the height(m) : 157

your BMI is Underweight
-----
Process exited after 3.604 seconds with return value 23
Press any key to continue . . .
```

- Question 12


```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q12.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
-----
Process exited after 2.68 seconds with return value 48
Press any key to continue . . .
```

- Question 13

```
G:\UCSC 1st sem\SCS1202_2020\lab sheet 3\201151\201151_Q13.exe
number = 50
Is that the number you think(Y/N) : N
Is the number you think larger than this number(Y/N) : Y
number = 75
Is that the number you think(Y/N) : N
Is the number you think larger than this number(Y/N) : Y
number = 87
Is that the number you think(Y/N) : N
Is the number you think larger than this number(Y/N) : Y
number = 93
Is that the number you think(Y/N) : N
Is the number you think larger than this number(Y/N) : N
number = 90
Is that the number you think(Y/N) : Y


Guess the number 5 times until became truth value.
-----
Process exited after 61.98 seconds with return value 51
Press any key to continue . . .
```

- Question 14

 G:\UCSC 1st sem\SCS1202\_2020\lab sheet 3\201151\201151\_Q14.exe

```
Enter 3 numbers :45 14 23
45 is the largest number among (45 14 23)
-----
Process exited after 15.86 seconds with return value 42
Press any key to continue . . .
```

- Question 15

 G:\UCSC 1st sem\SCS1202\_2020\lab sheet 3\201151\201151\_Q15.exe

```
ax2+bx+c=0 , enter a,b,c respectively : 1 -3 2
The roots are real roots
(2.00) , (1.00)
-----
Process exited after 7.988 seconds with return value 16
Press any key to continue . . .
```