

Assignment No: 1

- 1) Write the following programs by using conditional operator:
 - 1) To check entered number is positive or negative.
 - 2) To check entered number is even or odd.
 - 3) To check entered year is leap or not.
 - 4) To find maximum number between two numbers.
 - 5) To find minimum number between two numbers.
 - 6) To find maximum number between three numbers.
 - 7) To find minimum number between three numbers.
- 2) Write the following programs by using if statement.
 - 1) To check entered number is positive or negative.
 - 2) To check entered number is even or odd.
 - 3) To check entered year is leap or not.
 - 4) To find maximum number between two numbers.
 - 5) To find minimum number between two numbers.
 - 6) To find maximum number between three numbers.
 - 7) To find minimum number between three numbers.
 - 8) To check entered number is positive or negative or zero.
- 3) Write a program which calculates total marks and percentage obtained in six subjects and also display grade of student according to following table:

Percentage	Grade
0 to 39.99	Fail
40 to 49.99	Third
50 to 59.99	Second
60 to 69.99	First
70 to 100	Distinction

- 4) Write a program which calculates income tax corresponding to following table:

Income	Tax
0 to 150000	0%
150001 to 300000	10%
300001 to 500000	20%
500001 and above	30%

- 5) Write a program which calculates telephone bill corresponding to following table:

Unit Consumed	Rate/unit in RS.
0 to 200	1.00
201 to 350	1.20
351 to 500	1.50
501 and above	1.75

- 6) If cost price and selling price of an item is input through the keyboard.
Write a program to determine seller has made profit or loss. Also determine how much profit or loss seller has.
- 7) Write a program which accepts single character and check it is in Capital letter or in Small letter or it is Digit or it is special symbol.

- 8) Write a program to check entered number is divisible by 7 or not.
- 9) Write a program which take single digit number as input and print corresponding number into word.
- 10) Write a program which take single digit number as input and print corresponding week day.
- 11) Write a program which takes one number as input and print corresponding month name.
- 12) Write a program menu driven program to find out area of circle, circumference (perimeter) of circle, area of triangle and area of square
- 13) Write a menu driven program for:
 - 1: Addition of two numbers.
 - 2: Subtraction of two numbers.
 - 3: Multiplication of two numbers.
 - 4: Division of two numbers.

Assignment No: 2

- 1) Write a program which shows the use of forward jump of goto statement
- 2) Write the following programs by using backward jump of goto statement
 - 1) Print the series like 1 2 3 4 5
 - 2) Print the series like 1 3 5 - - - - 31
 - 3) Print the series like 50 48 46 - - - - 2
 - 4) Calculate sum of first 10 numbers.
 - 5) Calculate sum of only even numbers from 20 to 50.
 - 6) Calculate sum of only odd numbers from 100 to 150.
 - 7) Print series like A C E G Z
 - 8) Print series like Z Y X A

Assignment No: 3

Que: Solve following programs by using **while or do-while or for loop**

- 1) Write a program which find sum of even numbers and odd numbers from 1 to 20.
- 2) Write a program which prints first 'n' numbers.
- 3) Write a program which find sum of first 'n' numbers.
- 4) Write a program which prints factors of entered number.
- 5) Write a program which check entered number is Perfect or not.
- 6) Write a program which find sum of digits (digit sum) of entered number
- 7) Write a program which check entered number is Armstrong or not.
- 8) Write a program which reverses the entered number.
- 9) Write a program which check entered number is Palindrome or not.
- 10) Write a program which finds face value of entered number.
- 11) Write a program which check entered number is Prime or not.
- 12) Write a program which finds factorial of an entered number.
- 13) Write a program which prints Fibonacci series up to 'n' numbers.
- 14) Write a program to find all Armstrong numbers from 1 to 1000
- 15) Write a program to find all Prime numbers from 1 to 1000
- 16) Write a program to find all palindrome numbers from 500 to 700
- 17) Write a program which prints multiplication table.
- 18) Write a program which prints series like 51 53 55 ----- 99
- 19) Write a program which prints series like A B C ----- Z

Assignment No: 4

Que. Write a program which print following pattern:

1)

```

1
1 2
1 2 3
1 2 3 4
1 2 3 4 5

```

2)

```

5 4 3 2 1
5 4 3 2
5 4 3
5 4
5

```

3)

```

A B C D C B A
A B C C B A
A B B A
A

```

4)

```

      A
    A B
  A B C
A B C D

```

5)

```

1 2 3 4 5
1 2 3 4
1 2 3
1 2
1 2 3
1 2 3 4
1 2 3 4
1 2 3 4 5

```

6)

```

1
2 3
4 5 6
7 8 9 10

```

7)

```

1
0 1
0 1 0
1 0 1 0

```

8)

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9)

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10)

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11)

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$ $ $ $ $ $ $ $
$ $ $ $ $ $ $
$ $ $ $ $ $
$ $ $ $ $
$ $ $ $
$ $ $
$ $
$

```