SKILLS

C++
Problems on Loops

Lecture- 6

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Break;

Ques : WAP to check if a number is prime or not.

Continue;

Ques : WAP to print odd numbers from 1 to 100.

Predict the Output Problems

Predict the output

```
int main( ) {
    while ( 'a' < 'b' )
        cout << “malayalam is a palindrome"  << endl ;
}
```

Predict the output

```
int main( ) {
    int i ;
    while ( i = 10 ) {
        cout << i << endl;
        i = i + 1 ;
    }
}
```

Predict the output

```
int main( ) {
        int x = 4, y = 0, z ;
        while ( x >= 0 ) {
                x-- ;
                y++ ;
                if ( x == y )
                        continue ;
                else
                        cout << x << " " << y << endl ;
        }
}
```

Predict the output

```
int main( ) {
        int x = 4, y = 0, z ;
        while ( x >= 0 ) {
                if ( x == y )
                        break ;
                else
                        cout << x << " " << y << endl ;
                        x-- ;
                        y++ ;
        }
}
```

Predict the output

```
int main( ) {
    int t = 10;
    while(t/=2){
        cout << “Hello” << endl;
    }
}
```

Questions using Operators

+ - * /

Ques : WAP to count digits of a given number.

Ques : WAP to print sum of digits of a given number.

Ques : WAP to print reverse of a given number.

Ques : Print the sum of this series :
1 - 2 + 3 - 4 + 5 - 6... upto 'n'.

Ques : Print the factorial of a given number ‘n’.

Ques : Print the nth fibonacci number.

Ques : Two numbers are entered through the keyboard. Write a program to find the value of one number raised to the power of another.