

# Last Session

## -> Conditional Statements

- > if
- > if - else
- > if-elseif-else
- > switch-case

## Ternery Operator :->

**(condition) ? op1 : op2 ;**

**num = 7 ;**

**String op = (num%2 == 0) ? "Even number" : "Odd Number";**

```
if (condition) {  
    //if block  
  
}else{  
    // else block  
}
```

# **Today's Session**

## **-> Iterative Statements**

- 1. for**
- 2. while**
- 3. do - while**

**Q. WAP to print 1 to 5000 numbers on console ?**

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

**499**

**600**

**DRY**  
**DO NOT Repeat Yourself**

# 1. for loop :->

- > If we know number of iterations in advance
- > Entry control loop

## sty :->

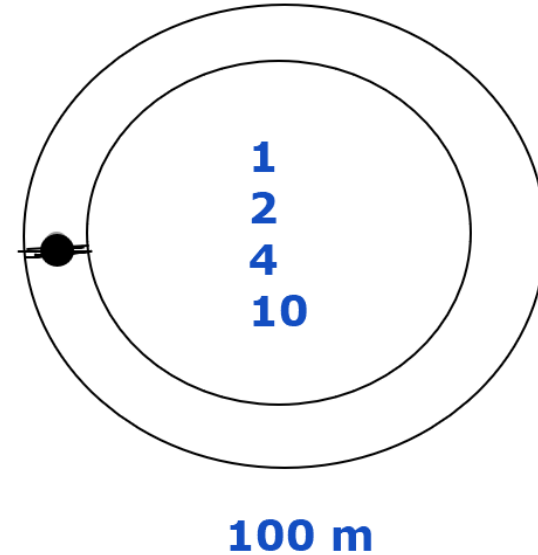
**I** -> Initialization

**C** -> Condition

**U** -> Update(inc / dec)

Header part

```
for (I;C;U) {  
    // for loop body  
}
```



## Q. WAP to print 1 to 5 on console ?

```
for (int i = 105 ; i > 100 ; i-- ) {
```

```
    syso(i + "TKA");
```

```
}
```

```
syso(i);
```

6

a. 1

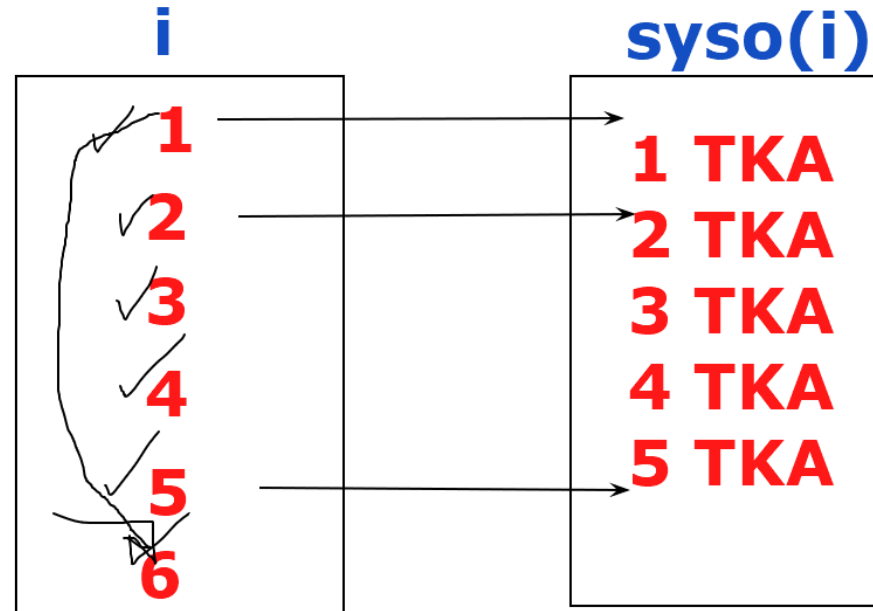
b. 5

c. 6

d. compile time error

e. 0

DRY RUN



1<=5  
2<=5  
3<=5  
4<=5  
5<=5  
6<=5

```
for(int i = 2 ; i<=5 ; i+=2){  
    syso(i + "TKA");  
}
```

2

2 TKA

4

4 TKA

```
for(int i = 1 ; i<= 5 ; i++){  
    if(i%2 == 0){  
        syso(i+ "TKA");  
    }  
}
```

## **Interview Questions**

- 1. WAP to print table of 5 ?**
- 2. WAP to print table of any number ?**
- 3. WAP to print 100 to 1 numbers ?**
- 4. WAP to print all even numbers from 100 to 1 ?**
- 5 WAP to print odd numbers from 245 to 259 ?**