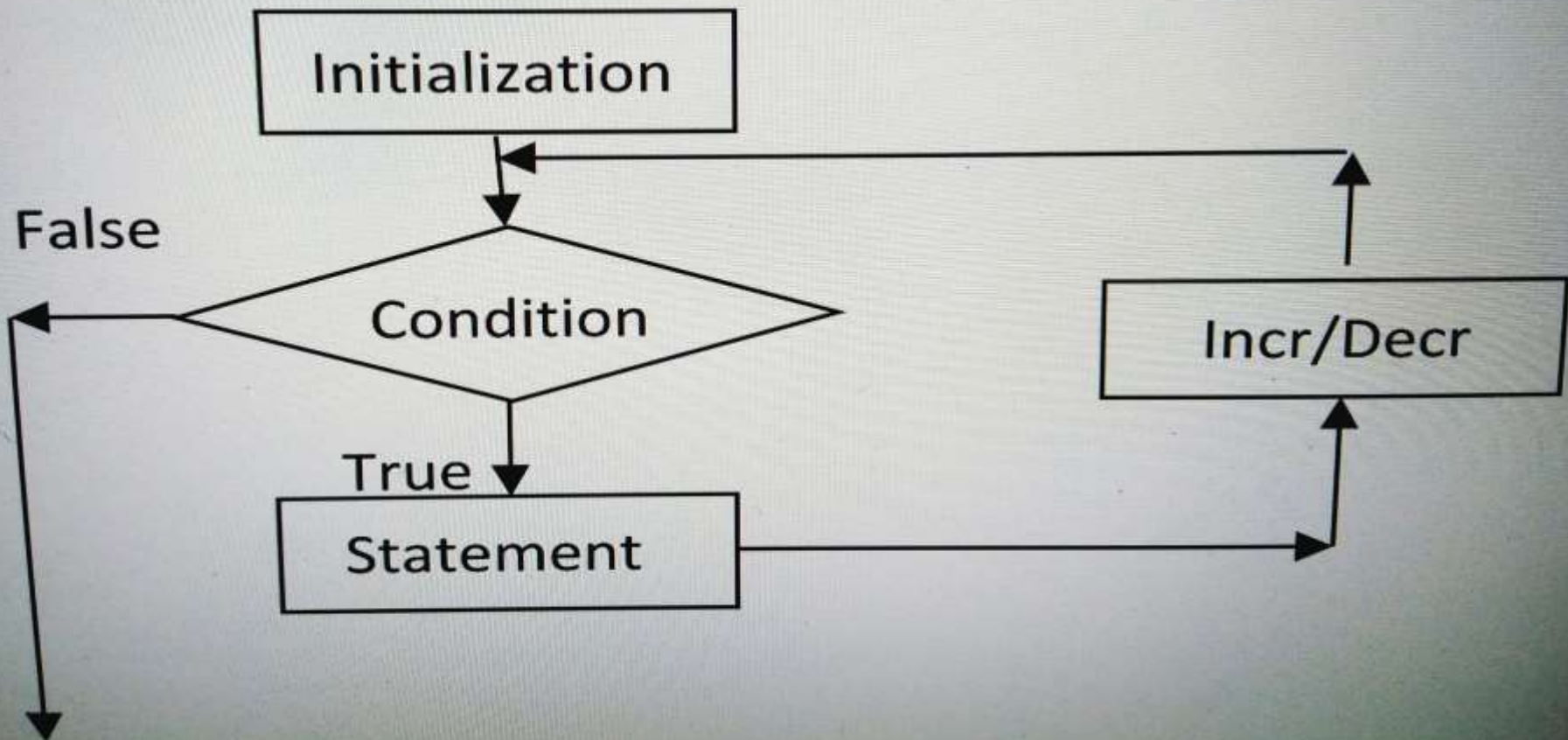


FOR LOOP

Syntax:

```
for(initialization; test condition; increment/ decrement) { Statement; }
```

The loop works as per the following flowchart.



Example-1

```
int i;
```

```
for(i=0; i<5; i++) printf(“%d ”, i);
```

- It will print 0 1 2 3 4

Example-2

```
int i;
```

```
for(i=5; i>0; i--) printf(“%d ”, i);
```

- It will print 5, 4, 3, 2, 1

```
/*to find average of 10 random numbers*/
```

```
#include<stdio.h> #include<conio.h>
```

```
void main(){
```

```
float a, avg, sum=0;
```

```
clrscr();
```

```
for(int i=0; i<10; i++) {
```

```
    printf("Enter a number:");
```

```
    scanf("%f", &a);
```

```
    sum = sum + a;
```

```
}
```

```
avg = sum/10.0;
```

```
printf("Average=%f", avg);
```

```
getch();
```

```
}
```