

/*

Syntax:

```
for(expression1;expression2;expression3){  
    //Code to be run  
}
```

Properties of expression 1:

- 1.The expression represents the initialization of the loop variable.
- 2.We can initialize more than one variable in expression 1.
- 3.Expression 1 is optional.

Properties of expression 2:

- 1.It is a conditional expression. It checks for a specific condition to be satisfied. If it is not the loop is terminated.
- 2.It can have more than one condition. However the loop will iterate until the last condition becomes false. Other conditions will be treated as statements.
- 3.It is optional.
- 4.Expression 2 can perform the task of expression 1 and expression 3. That is, we can

we can initialize the variable as well as update the loop variable in expression 2 itself.

5. We can pass zero as non-zero value in expression 2. However, in C, any non-zero value is true, and zero is false by default.

Properties of expression 3:

1. Expression 3 is used to update the loop variable.

2. We can update more than one variable at the same time.

3. Expression 3 is optional.

**/*

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

```
int main()
```

```
{
```

```
int i;
```

```
for(i=0;i<5;i++){
```

```
printf("%d",i);
```

```
}
```

```
return 0;
```

```
}
```

