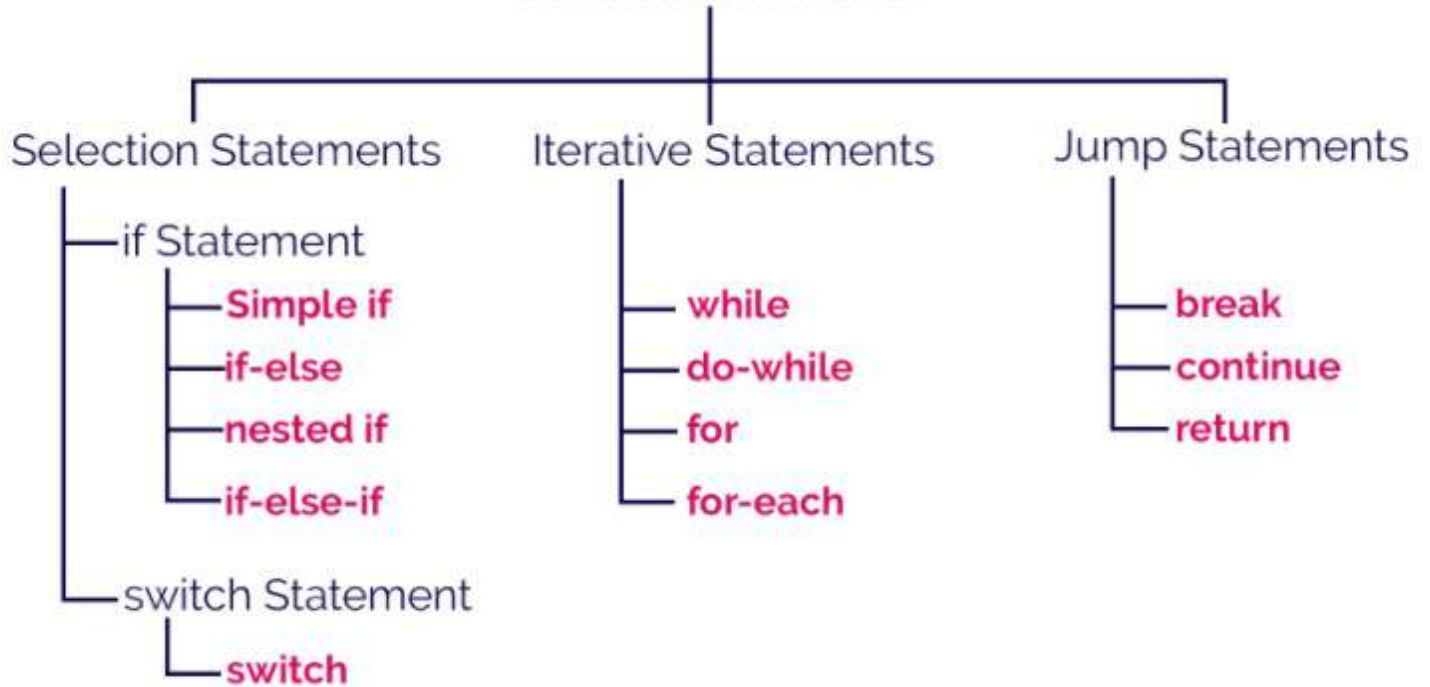


## Control Statements



## Types of Control Statements

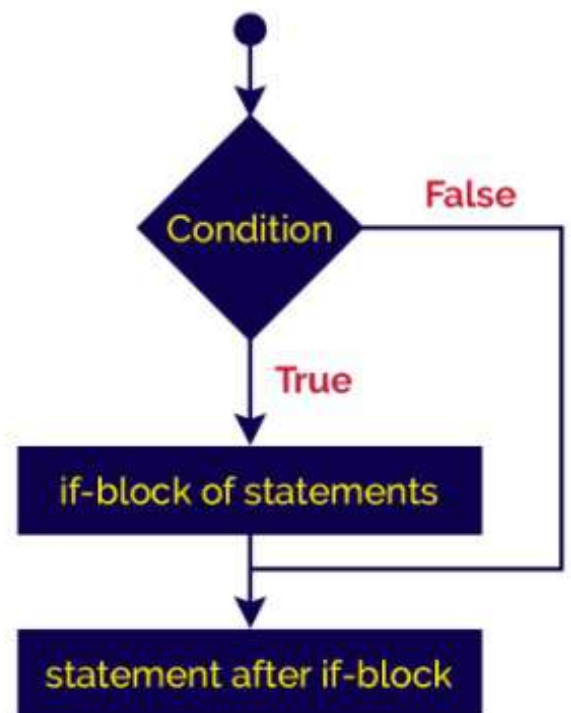
In java, the control statements are classified as follows.

- \* Selection Control Statements ( Decision Making Statements )
- \* Iterative Control Statements ( Looping Statements )
- \* Jump Statements

## Syntax

```
if(condition){  
    if-block of statements;  
    ...  
}  
statement after if-block;  
...
```

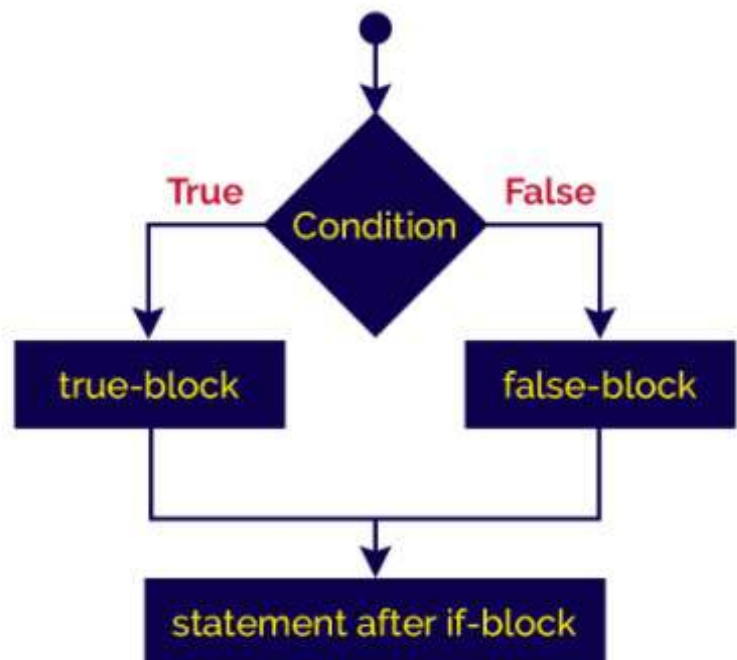
## Flow of execution



## Syntax

```
if(condition){  
    true-block of statements;  
    ...  
}  
else{  
    false-block of statements;  
    ...  
}  
statement after if-block;  
...
```

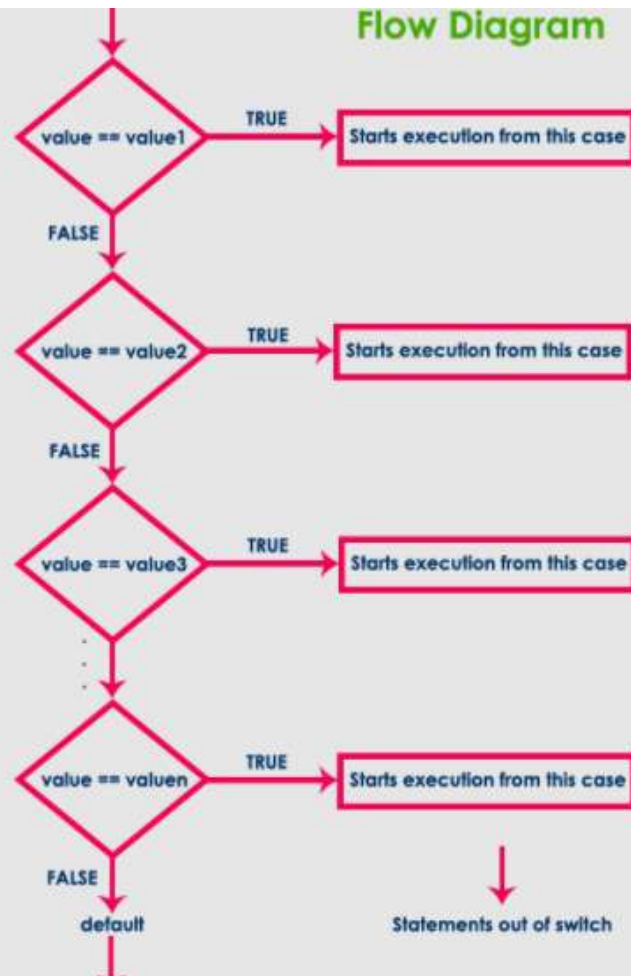
## Flow of execution



## Syntax

```
switch ( expression or value )  
{  
    case value1: set of statements;  
        ....  
    case value2: set of statements;  
        ....  
    case value3: set of statements;  
        ....  
    case value4: set of statements;  
        ....  
    case value5: set of statements;  
        ....  
    .  
    .  
    default: set of statements;  
}
```

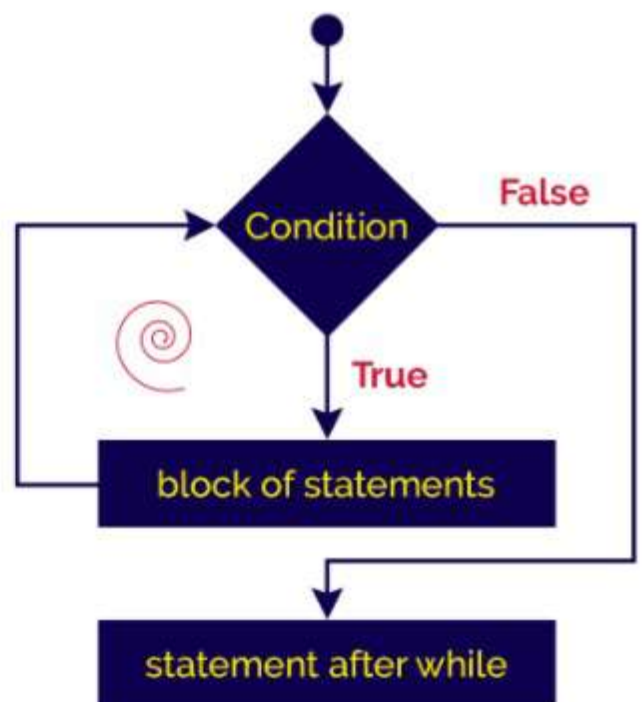
## Flow Diagram



## Syntax

```
while(boolean-expression){  
    block of statements;  
    ...  
}  
statement after while;  
...
```

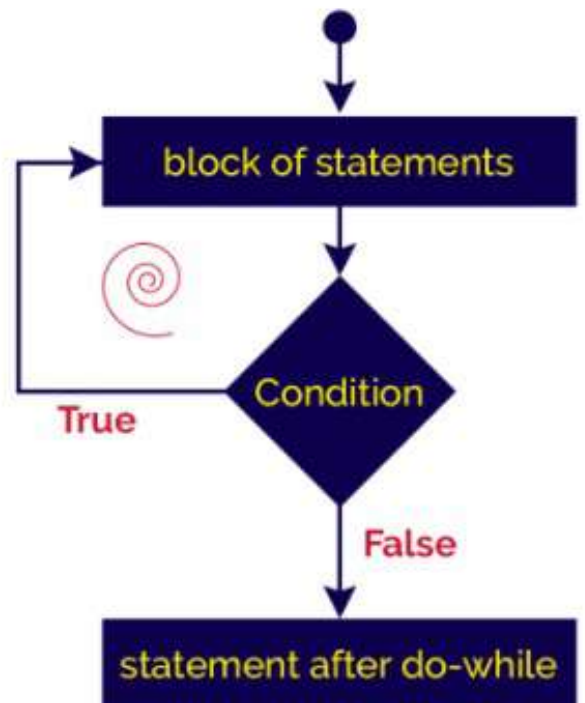
## Flow of execution



## Syntax

```
do{  
    block of statements;  
}while(boolean-expression);  
statement after do-while;  
...
```

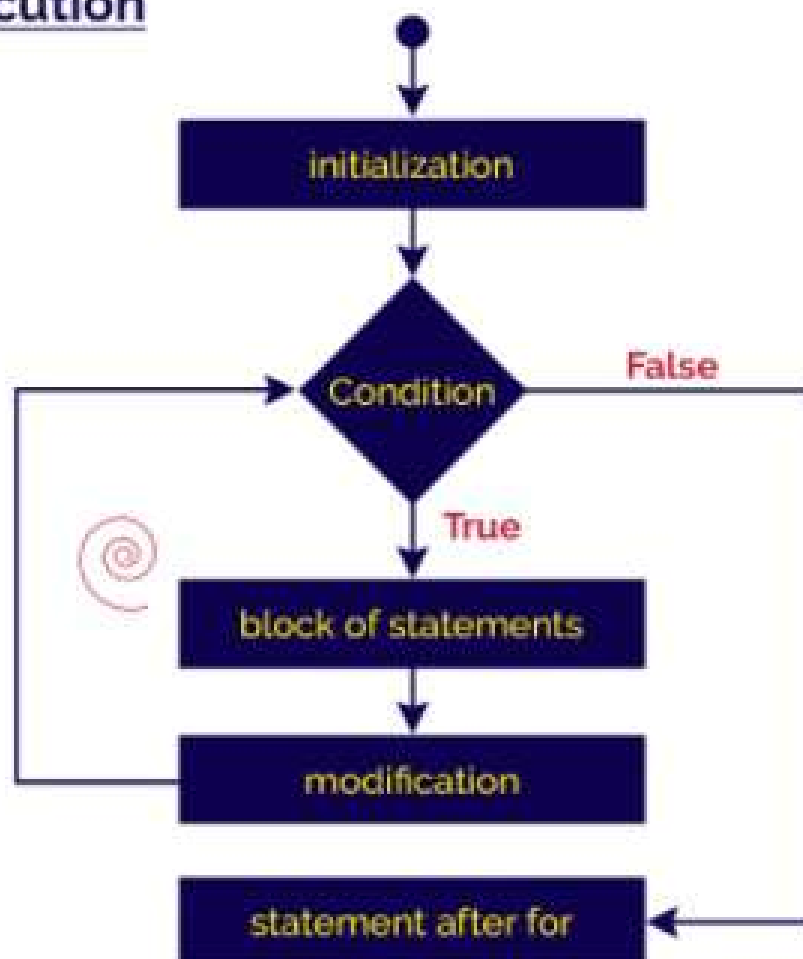
## Flow of execution



## Syntax

```
for(initialization; boolean-expression; modification){  
    block of statements;  
    ...  
}  
statement after for;  
...
```

## Flow of execution

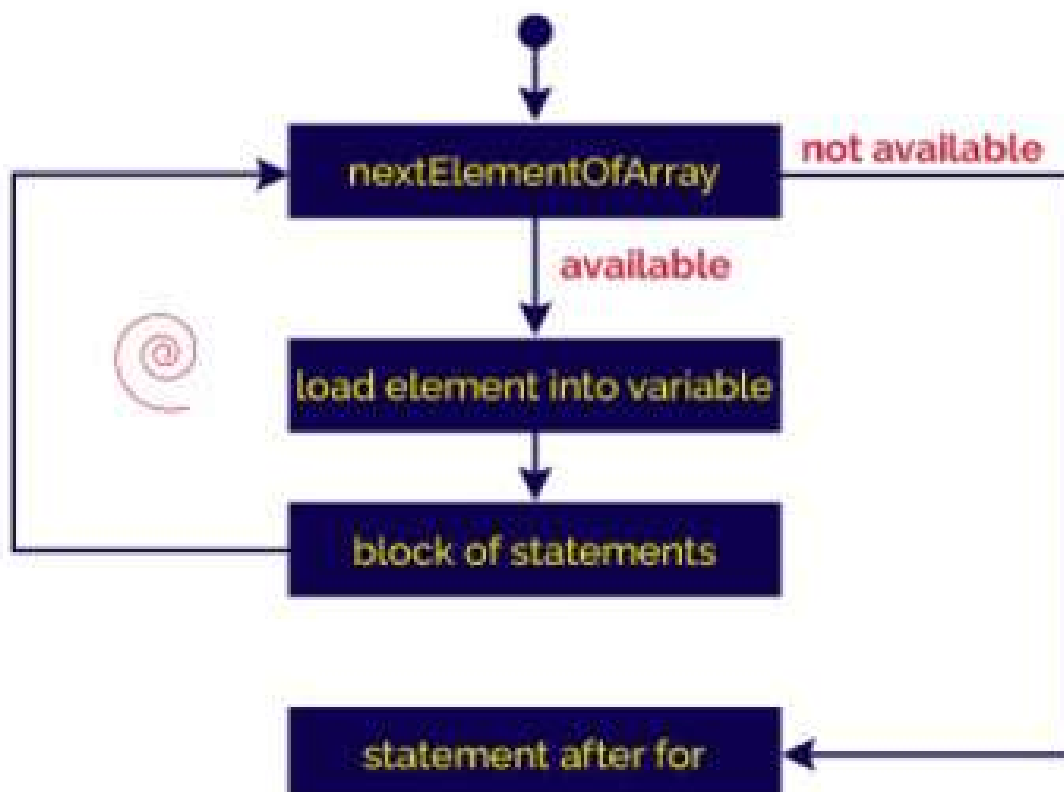




## Syntax

```
for( dataType variableName : Array ){  
    block of statements;  
    ...  
}  
statement after for;  
...
```

## Flow of execution



```
while ( condition)
```

```
{
```

```
....
```

```
break ;
```

```
....
```

```
}
```

```
do
```

```
{
```

```
....
```

```
break ;
```

```
....
```

```
} while ( condition) ;
```

```
for (initilization; condition; modification)
```

```
{
```

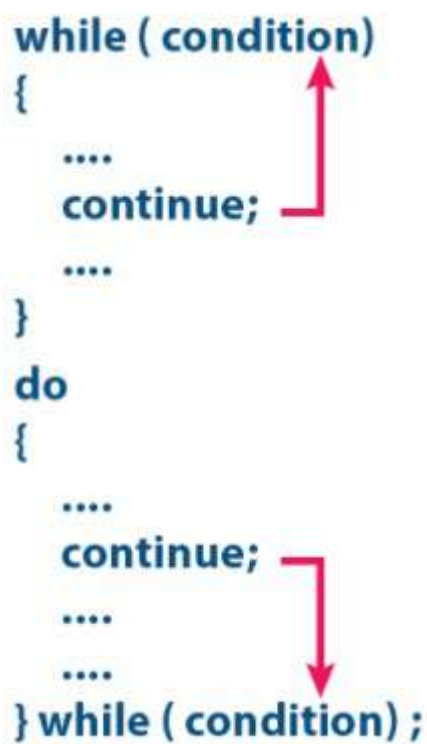
```
....
```

```
break ;
```

```
....
```

```
}
```

```
while ( condition)
{
    ....
    continue;
    ....
}
do
{
    ....
    continue;
    ....
} while ( condition);
```



```
for (initilization; condition; modification)
{
    ....
    continue;
    ....
}
```

