**Conditional Statement**

**1.If Statement**

**Syntax:**

if(condition)

{

Line of code to be executed if condition is true

}

**2.If…. else Statement**

**Syntax:**

if(condition)

{

Line of code to be executed if condition is true

}

else

{

Line of code to be executed if condition is false

}

**3.If…. else if Statement**

**Syntax:**

if(condition 1)

{

Line of code to be executed if condition 1 is true

}

else if(condition 2)

{

Line of code to be executed if condition 2 is true

}

else

{

Line of code to be executed if condition1 is false and condition 2 is false

}

**4.Nested if Statement**

**Syntax:**

if(condition 1)

{

Line of code to be executed if condition 1 is true

if(condition 2)

{

Line of code to be executed if condition 2 is true

}

}

**Switch Case Statement**

**Syntax:**

switch(expression)

{

case value1:

statment1;

break;

case value2:

statment2;

break;

.

.

case valueN:

statmentN;

break;

default:

statement Default;

}

**Loop Statement**

**1.for loop**

**Syntax:**

for (initial 1condition; terminating 2condition; stepping condition 4 )

{

Line of code to be executed 3

}

**2.while loop**

**Syntax:**

while (condition)

{

Line of code to be executed

}

**3.do while loop**

**Syntax:**

do

{

block of code to be executed

} inc/dec;

while (condition)

**Continue Statement**

The continue statement terminates execution of the statements in the current loop and continues execution of the loop with the next iteration.

**Break Statement**

The break statement stops the execution of a loop entirely.