

Nested loops in 'C'

- (i) while loop
- (ii) do-while loop
- (iii) for loop

```
while (<condition>)  
{  
  <Statements>;  
  .....  
  <New Value>;  
}  
  
do {  
  <Statements>;  
  .....  
  <New Value>;  
} while (<condition>);  
  
for (<Value of Variable>; <Condition>; <New Value>)  
{  
  <Statements>;  
  .....  
}
```

Types of Nested loops

- (i) Nested while loop -
- (ii) Nested do-while loop
- (iii) Nested for loop
- (iv) Nested loop

```
while (<outer condition>)  
{  
  .....  
  while (<inner condition>)  
  {  
    <Statements>;  
    .....  
    <New Value>;  
  }  
}
```

```

do {
    <statements>;
    -----;
} do {
    <statements>;
    -----;
    <New Value>;
} while (<condition>);
<statements>;
-----;
} while (<condition>);

```

Nested for loop Syntax

```

for (<Value of Variable>; <Condition>; <New Value>)
{
    -----;
    for (<Value of Required Variable>; <Condition>; <New Value>)
    {
        <statements>;
        -----;
    }
    <statements>;
}

```