1. write the syntax of nested if else

sol writing a if statement inside a another if statement is called nested if statement

syntax:-

If (condition1)
{
    If (condition 1)
    {
        True block statement;
    }
    else
    {
        False block statement;
    }
}

2. Difference between while and do while

while	Do while
1) while is written at beginning	1) In the do while loop, the while condition is written at end and terminals with a semicolon.
2) condition is evaluated before processing the body of loop.	2) condition is evaluated after the processing the body of loop.
3) The body is executed if only only if the condition is true. If the condition is false the body is not	3) The body is always executed if the body is atleast only once if the condition is false.

3) write a c program to check whether the number is palindrome or not

```c
#include <stdio.h>
#include <conio.h>
void main()
{
        int, i, n, rev&k;
        clrscr();
        printf (" enter n value \n");
        scanf ("%d , &n);
        n=k;
        rev=0;
        while (n>0)
        {
                i%n =0;
                rev= rev*10+i;
                i=n/10;
        }
        getch();
}
```

write the syntax for nested for loop.

syntax:-

```
for(int ; condition; inc/dec)
{
        for(int; condition; inc/dec)
        {                               } Inner loop.
                statement(s);
        }
        satement(s);
}
```

outer loop

③

5.   Break   continue

A: In any loop break is   ① The continue statement is used to
used to jump out of loop   end the current iteration and move
skipping the code below   on to the next iteration.
it without carrying about
the test condition.   ② when the continue statement is
                              encountered in a loop, all the
② when break start is   statement after the statement are
encounted It interrupts the   emitted and moves to next
flow of the program by   iteration, the control is passed to
breaking loop and continues   the begining of the loop.
the execution of code
which is outside the loop.

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