ASSIGNMENT LOOPS

1

Q1. Print all the odd numbers from 1 to 100.

```cpp
#include<iostream>
using namespace std;
int main(){
    cout<<"odd number from 1 to 100 ";
    for(int i=1;i<=100;i++)
    {
        if(i%2!=0){
       cout<<i<<" ";
        }
    }
}
```

```
PS C:\Users\ITC\OneDrive\Desktop\C++WITH DSA\PRACTICE c++with DSA> cd "c:\Users\ITC\OneDri
ve\Desktop\C++WITH DSA\PRACTICE c++with DSA\" ; if ($?) { g++ assignmentprint2.cpp -o assi
gnmentprint2 } ; if ($?) { .\assignmentprint2 }
odd number from 1 to 100 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 4
7 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 85 87 89 91 93 95 97 99
```

Q2. Print all numbers from 1 to 100 that are divisible by 3.

```cpp
#include <iostream>
using namespace std;
int main()
{
    cout << "odd number from 1 to 100 " << endl;
    for (int i = 1; i <= 100; i++)
    {
        if (i % 3 == 0)
        {
            cout << i << " ";
        }
    }
}
```

```
PS C:\Users\ITC\OneDrive\Desktop\C++WITH DSA\PRACTICE c++with DSA> cd "c:\Users\ITC\OneDrive\Desktop\C++WITH DSA\PRACTICE c++with DSA\" ; if ($?) { g++ assignmentprint2.cpp -o assignmentprint2 } ; if ($?) { .\assignmentprint2 }
odd number from 1 to 100
3 6 9 12 15 18 21 24 27 30 33 36 39 42 45 48 51 54 57 60 63 66 69 72 75 78 81 84 87 90 93 96 99
```

Q3. Print the table of 'n'. Here 'n' is an integer which the user will input.

```cpp
#include <iostream>
using namespace std;
int main()
{
    int n;
    cout << "Enter the numeber ";
    cin >> n;
    for (int i = 1; i <= 10; i++)
    {
        cout << n * i << endl;
    }
}
```

```
PS C:\Users\ITC\OneDrive\Desktop\C++WITH DSA\PRACTICE c++with DSA> cd "c:\Users\ITC\OneDri
gnmentprint2 } ; if ($?) { .\assignmentprint2 }
Enter the numeber 5
5
10
15
20
25
30
35
40
45
50
```

Q4. Display this AP - 4,7,10,13,16.. upto 'n' terms.

```cpp
#include <iostream>
using namespace std;
int main()
{
    int n = 19;
    int t = 4;
    for (int i = 1; i <= n; i++)
    {
        cout << t;
        t += 3;
    }
}
```

```
PS C:\Users\ITC\OneDrive\Desktop\C++WITH DSA\PRACTICE c++with DSA> cd "c:\Users\ITC\OneDri
ve\Desktop\C++WITH DSA\PRACTICE c++with DSA\" ; if ($?) { g++ assignmentprint2.cpp -o assi
gnmentprint2 } ; if ($?) { .\assignmentprint2 }
47101316192225283134374043464952558
```

Q5. Display this GP - 3,12,48,.. upto 'n' terms.

```
#include<iostream>
using namespace std;
int main(){
    int n =6;
    cout<<"GP is : "<<endl;
    int t=3 ;
    for(int i=1; i<=n ;i++){
        cout<<t<<endl;
        t = t*4 ;
    }
}
```

```
PS C:\Users\ITC\OneDrive\Desktop\C++WITH DSA\PRACTICE c++with DSA> cd "c:\Users\ITC\OneDri
ve\Desktop\C++WITH DSA\PRACTICE c++with DSA\" ; if ($?) { g++ assignmentprint2.cpp -o assi
gnmentprint2 } ; if ($?) { .\assignmentprint2 }
GP is :
3
12
48
192
768
3072
```

Q6. Write a program to print all the ASCII values and their equivalent characters of 26 alphabets using a while loop.

```
#include<iostream>
using namespace std;
int main(){
    int n =5;
    cout<<"ASCII values and character
"<<endl;
    for(int i=26;i<=n+26;i++){
        cout<<char(i)<<"
"<<int(i)<<endl;
    }
}
```

```
PS C:\Users\ITC\OneDrive\Desktop\C++WITH DSA\PRACTICE c++with DSA> cd "c:\Users\ITC\OneDri
ve\Desktop\C++WITH DSA\PRACTICE c++with DSA\" ; if ($?) { g++ assignmentprint2.cpp -o assi
gnmentprint2 } ; if ($?) { .\assignmentprint2 }
ASCII values and character
→ 26
7
∟ 28
↔ 29
▲ 30
▼ 31
```