C++ Assignment Solutions Loops 1 Week2

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

Solution:

```cpp
#include <bits/stdc++.h>
using namespace std;

int main() {
    for (int i = 1; i <= 100; i += 2) {
        cout << i << " ";
    }
}
```

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

Solution:

```cpp
#include <bits/stdc++.h>
using namespace std;

int main() {
    for (int i = 3; i <= 100; i += 3) {
        cout << i << " ";
    }
}
```

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

Solution:

```cpp
#include <bits/stdc++.h>
using namespace std;

int main() {
    int n;
    cin >> n;
    for (int i = 1; i <= 100; i++) {
        cout << n*i << " ";
    }
}
```

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

Solution:

```cpp
#include <bits/stdc++.h>
using namespace std;

int main() {
    int n;
    cin >> n;
    int start = 4, d = 3;
    while (n--) {
        cout << start << " ";
        start += 3;
    }
}
```

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

Solution:

```cpp
#include <bits/stdc++.h>
using namespace std;

int main() {
    int n;
    cin >> n;
    int start = 3, r = 4;
    while (n--) {
        cout << start << " ";
        start *= r;
    }
}
```

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

```cpp
#include <bits/stdc++.h>
using namespace std;

int main() {
    int n;
    cin >> n;
    int i = 0;
    while (i < 26) {
        cout << "ASCII value of " << (char)(i + 'A') << " is " << (int)(i + 'A') <<
endl;
        i++;
    }
}
```