WHILE LOOPS

Q1. Write a program to display the message "Hello World" 5 times in your browser using while loop.

Q2. Write a program to print numeric counting from 1 to 10.

1
2
3
4
5
6
7
8
9
10

Q3. Write a program to print multiplication table of any number using while loop. Table number & length should be taken as an input from user.

Enter a number to enter its multiplication table: 2
Enter length of multiplication table: 15
Multiplication Table of 2
Length of 13

2 X 1 = 2
2 X 2 = 4
2 X 3 = 6
2 X 4 = 8
2 X 5= 10
2 X 6 = 12
2 X 7 = 14
2 X 8 = 16
2 X 9 = 18
2 X 10 = 20
2 X 11 = 22
2 X 12 = 24
2 X 13 = 26

Q4. Generate the following series in your browser. See example output.

a) Counting: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
b) Reverse counting: 10, 9, 8, 7, 6, 5, 4, 3, 2, 1
c) Even: 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20
d) Odd: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19
e) Series: 2k, 4k, 6k, 8k, 10k, 12k, 14k, 16k, 18k, 20k

Q5. Write a program to print multiples of 5 ranging 1 to 100

5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100

Q6. Write a program to repeatedly print the value of the variable **num** which is input by user. Value should be decreasing by 0.5 each time, as long as x Value remains positive.

Enter a number: 5
5, 4.5, 4, 3.5, 3, 2.5, 2, 1.5, 1, 0.5, 0

Q7. The even/odd reporter

Write a while loop that will iterate from 0 to 20. For each iteration, it will check if the current number is even or odd, and report that to the screen (e.g. "2 is even").

0 is Even
1 is Odd
2 is Even
3 is Odd
4 is Even
5 is Odd
6 is Even
7 is Odd
8 is Even
9 is Odd
10 is Even
11 is Odd
12 is Even
13 is Odd
14 is Even
15 is Odd
16 is Even
17 is Odd
18 is Even
19 is Odd
20 is Even

Q8. Write a program to calculate the product of the odd integers from 1 to 7.
The product of the odd integers from 1 to 7 is 105

Q9. Write a program that will write out a wedge of stars. The user will enter the initial number of stars, and the program will write out lines of stars where each line has one few star than the previous line.

Initial number of stars: 7

```
*******
******
*****
****
***
**
*
```

Q10. Write a program to create the following patterns. Take number of lines as an input.

a)

```
*****
*****
*****
*****
```

b)

```
*
**
***
****
*****
*****
```

c)

```
****
***
**
*
```