

Loop Questions

Q1 Write a program to calculate the sum of first 10 natural number.

Q 2 Write a program that prompts the user to input a positive integer. It should then print the multiplication table of that number.

Q 3 Write a program that prompts the user to input an integer and then outputs the number with the digits reversed. For example, if the input is 12345, the output should be 54321.

Q 4 Write a do-while loop that asks the user to enter two numbers. The numbers should be added and the sum displayed. The loop should ask the user whether he or she wishes to perform the operation again. If so, the loop should repeat; otherwise it should terminate.(while loop)

Q 5 Write a program to print out all Armstrong numbers between 1 and 500. If sum of cubes of each digit of the number is equal to the number itself, then the number is called an Armstrong number. For example, $153 = (1 * 1 * 1) + (5 * 5 * 5) + (3 * 3 * 3)$

Q 6 Write a program to print Fibonacci series of n terms where n is input by user :
0 1 1 2 3 5 8 13 24

Q 7 Write a program to print following :

i)

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

ii)

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

iii)

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

iv)

```
  *
```

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

v)

```
      1
     222
    33333
   4444444
  555555555
```

Q 8 Print ASCII values and their equivalent characters. ASCII value vary from 0 to 255.

Q 9 Write a program in java to find the sum of the even and odd digits of the number which is given as input.