

Lesson 2 Problem Set

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1. Write a loop that prints out all the factors of a number:

```
public class Factor{  
    public static void main(String[] args){  
        int input = 120;  
        //This should print out 1,2,3,4,5,6,8,10,12,15,20,24,30,40,60,120  
        //System.out.print() prints out the numbers without a new line  
  
    }  
}
```

2. Write a prime number checker with the following template:

```
public class PrimeChecker{
    public static void main(String[] args){
        int input = 97;
        boolean isPrime;
        //YOUR CODE HERE

        //
        //This will print out if input is prime or not.
        System.out.println(isPrime);
    }
}
```