```
public class Study30 {
public static void main(String[] args){


int breakNumber = 0;
int number = 2;
int i;

for (;number < 1001;number++) {
        for (i=2;i<number+1;i++){
                if ((number % i) == 0) {
                        breakNumber = i;
                        break;
                }
        }
        if (number == breakNumber){
                System.out.println(number);
        }
}

}
}
public class Study31 {
public static void main(String[] args){

int number = 2;

for (;number < 1001;number++) {
        if (isPrime(number)){
                System.out.println(number);
        }
}

}
private static boolean isPrime(int number){
        int breakNumber = 0;
        int i;
        for (i=2;i<number+1;i++){
                if ((number % i) == 0) {
                        breakNumber = i;
                        break;
                }
        }
        if (number == breakNumber){
                return true;
        }
        return false;
}

}
import java.util.*;;

public class Study32 {
public static void main(String[] args){
```

```
List<Integer> numbers = new ArrayList<Integer>();
int i;

for (i=2;i<1001;i++){
        numbers.add(i);
}

numbers.forEach(number -> {
    if (isPrime(number)){
                System.out.println(number);
        }
});

}
private static boolean isPrime(int number){
        int breakNumber = 0;
        int i;
        for (i=2;i<number+1;i++){
                if ((number % i) == 0) {
                        breakNumber = i;
                        break;
                }
        }
        if (number == breakNumber){
                return true;
        }
        return false;
}

}
import java.util.ArrayList;

public class Study33 {
public static void main(String[] args){

ArrayList <String> animals = new ArrayList<String>();
String dog ="dog";
String cat = "cat";
String horse = "horse";

animals.add(dog);
animals.add(cat);
animals.add(horse);

System.out.println("3件追加後の要素数は、" + animals.size() + "です");

animals.clear();
System.out.println("clear直後のisEmptyの結果は、" + animals.isEmpty()
+ "です");

animals.add(dog);
animals.add(cat);
```

```
System.out.println("０番目の要素は、”" + animals.get(0) + "です");

animals.remove(0);
System.out.println("０番目の要素は、”" + animals.get(0) + "です");

}
}import java.util.HashSet;
import java.util.Iterator;

public class Study34 {
public static void main(String[] args){

HashSet <String> animals = new HashSet<String>();
String dog ="dog";
String cat = "cat";
String horse = "horse";

animals.add(dog);
animals.add(cat);
animals.add(horse);

System.out.println("3件追加後の要素数は、" + animals.size() + "です");

animals.clear();
System.out.println("clear直後のisEmptyの結果は、" + animals.isEmpty()
+ "です");

animals.add(dog);
animals.add(cat);

boolean result = animals.add(cat);
System.out.println("同じ要素を２度格納しようとすると、" + result + "で
す");

for ( Iterator<String> it = animals.iterator();it.hasNext();){
        String animal = it.next();
        System.out.println(animal);
}

animals.remove(cat);
System.out.println("catを取り除いた後のsetの中身は、”" );
for ( Iterator<String> it = animals.iterator();it.hasNext();){
        String animal = it.next();
        System.out.println(animal);
}

}
}import java.util.TreeMap;
import java.util.Iterator;

public class Study35 {
public static void main(String[] args){
```

```
TreeMap <Integer,String> animals = new TreeMap<Integer,String>();
String dog ="dog";
String cat = "cat";
String horse = "horse";

animals.put(3,horse);
animals.put(2,cat);
animals.put(1,dog);
System.out.println("3件追加後の要素数は、" + animals.size() + "です");

for ( Iterator<Integer> it =
animals.keySet().iterator();it.hasNext();){
        String animal = animals.get(it.next());
        System.out.println(animal);
}

animals.clear();
System.out.println("clear直後のisEmptyの結果は、" + animals.isEmpty()
+ "です");

animals.put(1,dog);
animals.put(2,cat);
animals.put(3,horse);
System.out.println("key=2の要素は、" + animals.get(2) + "です");

for ( Iterator<Integer> it =
animals.keySet().iterator();it.hasNext();){
        String animal = animals.get(it.next());
        System.out.println(animal);
}

animals.remove(2);
System.out.println("key=2を取り除いた後のmapの中身は、" );
for ( Iterator<Integer> it =
animals.keySet().iterator();it.hasNext();){
        String animal = animals.get(it.next());
        System.out.println(animal);
}

}
}import java.io.BufferedReader;
import java.io.FileNotFoundException;
import java.io.FileReader;

public class Study37 {
public static void main(String[] args)

throws FileNotFoundException {
        BufferedReader bufferedReader = new BufferedReader(new
FileReader("test.txt"));
}
```

```
}import java.io.BufferedReader;
import java.io.FileNotFoundException;
import java.io.FileReader;
import java.io.IOException;

public class Study38 {
public static void main(String[] args)

throws IOException {
        BufferedReader bufferedReader;
        try {
                 bufferedReader = new BufferedReader(new
FileReader("test.txt"));
        } catch (FileNotFoundException e) {
                System.out.println("ファイルが見つかりません");
        }
}

}import java.io.IOException;

public class Study39 {
public static void main(String[] args)

throws IOException {
        int s = System.in.read();
        System.out.println(s);
}

}
```