import java.util.Random;  
import java.util.Scanner;  
  
public class Code\_with\_bunny {  
 public static void main(String[] args){  
  
 Scanner scan = new Scanner(System.*in*);  
  
 int mynum = 20;  
 while(mynum>=0){  
 if(mynum%2==0){  
 mynum--;  
  
 continue;  
 }else{  
 System.*out*.println(mynum);  
  
 }  
 mynum--;  
 }  
  
 System.*out*.println((int)'A');  
  
  
  
  
// opeartors in java  
/\* comments in java are  
  
x= 5 here x is a variable and 5 is the value assigned to x ;  
data types  
  
String  
int (Integer)  
boolean  
byte  
char (Character)  
float  
double  
  
  
  
  
\*/  
  
int x =3;  
char c = 'b';  
String name = "Bunny";  
float price= 12.5F;  
double weight = 56.6;  
boolean beautiful = true;  
  
/\*  
two types of TypeCasting in Java are :  
widening Casting:  
 byte -> short -> char -> int -> long -> float -> double  
 and  
 Narrow Casting  
 double -> float -> long -> int -> char -> short -> byte  
  
 \*/  
  
  
 /\*  
 Bit wise operators in JAVA  
  
  
 and &  
  
 a= 01010  
 b= 11011  
 c =01010  
  
  
 or |  
  
 a= 01010  
 b= 11011  
 c =11011  
  
  
 xor ^  
  
 a= 01010  
 b= 11011  
 c= 10001  
  
 word1 = "abcd" nd word2 = "abcde"  
  
  
  
  
  
  
  
 \*/  
  
  
 /\*  
 String DataType in Java  
  
  
 String is immutable ;  
  
 \*/  
  
String my\_name ="bhanu";  
 my\_name = my\_name+" sree";  
  
 StringBuilder man = new StringBuilder("Badrinadh");  
// System.out.println(man);  
//  
// System.out.println(man.append('A'));  
// System.out.println(man.delete(5,man.length()));  
// System.out.println(man.replace(5,man.length(),"Bunny"));  
  
/\*  
Scanner Class  
  
  
  
 \*/  
boolean show= true;  
 do{  
 System.*out*.println(" 1 . Press 1 if you have Love Problems \n"+  
 "2 . press 2 if you are serious on me \n"+  
 "3 . press 3 if your are not will to talk to me now \n"+  
 "4 press 4 to hear a good news \n"+  
 "5 press 0 to EXIT");  
 System.*out*.println("Please Enter Your Option : ");  
 int n = scan.nextInt();  
 switch (n){  
 case 0:  
 System.*out*.println("Oh, Honey ! I Love To See You Back Again ");  
 show=false;  
 break;  
 case 1:  
 System.*out*.println("-------------------------------------------------------------------------\n"+"Oh Noooooooooooo!!!!!!!! its hard to hear , but i will help you out : \n"+  
 "Always be Loyal to your Loved Ones \n"+  
 "Always you Should say sorry First \n"+  
 "Always be Patient Even Your Girl Shouts or yells at you \n"+  
 "Try this and get back to us , i hope You will definitely get love vibes back !! Happy Valentines");  
  
 System.*out*.println("if you want to go back to the main menu press 1 or to Exit press 0");  
 int uin = scan.nextInt();  
 if(uin ==0){  
 System.*out*.println("Oh, Honey ! I Love To See You Back Again ");  
 show=false;  
 }else{  
 System.*out*.println("I know You always need me ");  
 }  
 break;  
 default:  
 System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*Kindly Please Enter the valid Input\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  
  
  
  
  
  
  
 }  
 }while (false);  
  
  
 }  
  
  
  
  
  
  
  
}

**Day 3**

import java.util.HashMap;  
import java.util.Map;  
import java.util.Scanner;  
import java.util.TreeMap;  
  
public class Code\_with\_bunny {  
 public static void main(String[] args) {  
  
// day3 firstInstance = new day3();  
  
 String word ="iloveyoubunny";  
 HashMap<Character,Integer> bunnyMap= new HashMap<>();  
 System.*out*.println(bunnyMap.keySet());  
  
 for(char c : word.toCharArray()){  
 if(bunnyMap.containsKey(c)){  
 System.*out*.println(bunnyMap.containsKey(c));  
 bunnyMap.put(c,bunnyMap.get(c)+1);  
 }else{  
 bunnyMap.put(c,1);  
 }  
 }  
 System.*out*.println(bunnyMap.keySet());  
 System.*out*.println(bunnyMap.values());  
 System.*out*.println(bunnyMap.entrySet());  
  
 for(Map.Entry<Character,Integer> bmaps : bunnyMap.entrySet()){  
 if(bmaps.getKey()=='y'){  
 System.*out*.println(" the value of y is "+bmaps.getValue());  
 }  
 }  
  
  
  
  
 /\*  
 1. operators  
 2. strings  
 3. conditional operators  
 3. strings Examples  
 \*/  
  
  
 /\*  
 map is like Dictinory in Python  
 {'badri'='bunny','sandeep':'divya'}  
  
 \*/  
 }  
}  
class day3 implements badri\_interface{  
 Scanner scan = new Scanner(System.*in*);  
  
 @Override  
 public int userAge() {  
 System.*out*.println("hey man Please Enter your age :");  
 int age = scan.nextInt();  
 return age;  
 }  
  
 @Override  
 public String username() {  
 System.*out*.println("hey man Please Enter your name :");  
 String name = scan.next();  
 return name;  
 }  
}

**Lets Discuss Sets in Java**