**Question1:**

**package** assignmentweek2;

**import** java.util.Scanner;

**public** **class** count2 {

**public** **static** **int** count(String s, **char** c) {

**int** num =0;

**for** (**int** i=0;i<s.length();i++) {

**if**(s.charAt(i)==c)

  num++;

  }

**return** num;

  }

**public** **static** **void** main(String args[]) {

  Scanner input = **new** Scanner(System.***in***);

  System.***out***.println("please enter word and char(use space to spare)");

  String str=input.next();

  String a=input.next();

**char** c= a.charAt(0);

  System.***out***.println(str+" have "+*count*(str, c)+" "+c);

  }

}

**Question2:**

**package** assignmentweek2;

**import** java.util.Scanner;

**public** **class** MaxAndMinInAnArray {

**public** **static** **void** main(String[] args) {

  Scanner input = **new** Scanner(System.***in***);

  System.***out***.println("please enter 7 numbers");

**int** max=0;

**int** min=0;

**for**(**int** i=0;i<7;i++) {

**int** a=input.nextInt();

  max=i==0?a:(a>max?a:max);

  min=i==0?a:(a<max?a:min);

  }

  System.***out***.println("the max number is "+max+" the min number is "+min);

  }

}

**Question3:**

**package** assignmentweek2;

**import** java.util.Scanner;

**public** **class** AddAllDigits {

**public** **static** **int** digSum(**int** a) {

**int** sum = 0;

**while**(a>0||sum>9) {

**if**(a==0) {

  a=sum;

  sum=0;

  }

  sum += a%10;

  a/=10;

  }

**return** sum;

  }

**public** **static** **void** main(String args[]) {

  Scanner input = **new** Scanner(System.***in***);

  System.***out***.println("please enter a number");

**int** b=input.nextInt();

  System.***out***.println(*digSum*(b));

}

}

**Question4-1:**

**package** assignmentweek2;

**import** java.util.Scanner;

**public** **class** SocialSecurityTax {

**public** **static** **double** socialSecurityTax(**double** a) {

**double** b = 0;

**if**(a <= 8900) {

  b = a\*0.062;

  }

**if**(a >= 8900) {

  b = 106800\*0.062;

  }

**return** b;

  }

**public** **static** **void** main(String args[]) {

Scanner input = **new** Scanner(System.***in***);

  System.***out***.println("please enter your salary");

**int** c=input.nextInt();

  System.***out***.println("your social security tax is "+*socialSecurityTax*(c));

}

}

**Question4-2:**

**package** assignmentweek2;

**import** java.util.Scanner;

**public** **class** ContributionForInsurance {

**public** **static** **double** insuranceCoverage(**double** age,**double** salary) {

**double** c = 0;

**if**(age < 35) {

  c = salary\*0.03;

  }

**if**(age >= 35 && age<=50) {

  c = salary\*0.04;

  }

**if**(age >= 50 && age<60) {

  c = salary\*0.05;

  }

**if**(age >= 60 ) {

  c = salary\*0.06;

  }

**return** c;

  }

**public** **static** **void** main(String args[]) {

Scanner input = **new** Scanner(System.***in***);

  System.***out***.println("please enter your age and your salary(use space to spare)");

**int** a=input.nextInt();

**int** b=input.nextInt();

  System.***out***.println("your contribution for insurance is "+*insuranceCoverage*(a,b));

}

}

**Question4-3:**

**package** assignmentweek2;

**import** java.util.Scanner;

**public** **class** SortSalary {

**public** **static** String sortSalary(String a1, **double** b1,String a2, **double** b2,String a3,**double** b3) {

**if**(b1>b2 && b1>b3 && b2>b3) {

  System.***out***.print("the sort of salary is "+a1+" "+a2+" "+a3);

  }

**if**(b1>b2 && b3>b2 && b1>b3) {

  System.***out***.print("the sort of salary is "+a1+" "+a3+" "+a2);

  }

**if**(b2>b1 && b2>b3 && b1>b3) {

  System.***out***.print("the sort of salary is "+a2+" "+a1+" "+a3);

  }

**if**(b2>b1 && b2>b3 && b3>b1) {

  System.***out***.print("the sort of salary is "+a2+" "+a3+" "+a1);

  }

**if**(b3>b2 && b3>b1 && b2>b1) {

  System.***out***.print("the sort of salary is "+a3+" "+a2+" "+a1);

  }

**if**(b3>b2 && b3>b1 && b1>b2) {

  System.***out***.print("the sort of salary is "+a3+" "+a1+" "+a2);

  }

**return** " ";

  }

**public** **static** **void** main(String args[]) {

  Scanner input = **new** Scanner(System.***in***);

  System.***out***.println("please enter 3 name and their salary(use space to spare)");

  String c1= input.next();

**double** d1= input.nextInt();

  String c2= input.next();

**double** d2= input.nextInt();

  String c3= input.next();

**double** d3= input.nextInt();

  System.***out***.println(*sortSalary*(c1,d1,c2,d2,c3,d3));;

}

}

**Question5:**

**Because normal type of variable can not be transferred by Java**