CSA0914 - java program

Assignment -1

```
student grading system:
  import java.util. scanner;
  public class studentgrading systems
      public static voidmain (string ( Jargs ) &
         scanner scanner = new scanner (system in);
         char choice;
        $ 0b
          system.out.print("enter student's score: ");
          int score = scanner. nextOnt();
           char grade;
           if (score)=90) &
                grade = 'A';
           3 6(26 it (2cose > = 80) {
                grade = 'B';
          ) else it (score) = 70) }
             8 rade = 'c';
          3 else if (score)=60) {
                 grade = '0';
          yeise (
              grade = 'F';
         4
        = system.out.print(n("grade:" + grade):
        system-out print ("Do you ender another score i YIN:");
        choice = Scanner next () : charAt(0);
      y while (choice = = 'y' || choice = = 'N');
        scanner. close();
3
                       > ( 50 4201 000 28 4119 13 7;
Input: 85
```

3

output : Grade B.

```
2. Number guessing game:
  import java-util, scanner;
  import java-util. Random;
  public class numbergussinggamed
      Public static void main (String[] args) &
         Scanner scanner = new scanner (system.in)
         Random random = new Randow ():
          char play Again:
         206
            int random number = random nextant(10)+1;
            boolean guessed correctly = false;
            system out print ("Guess number blw 1 to 10. you
                               have 3 attempts ");
            for(int i =1: it=3; i++) {
               Systemioutiprint ("Attempt" + 1 + " : ");
               int guess = Scanner next ant ():
               > ( suess = xandomnumber ) &
                 system.out.println("correct! "+ i + " attempts."
                 guessed correctly = true;
                 break;
             Jelse it (guess & random Number) (
                 system. out printly ("100 100.");
            4 else (
                system.out. Println ("To high.");
            3
         if (iguess correctly) (
                system. out. printly ("sorry; correct is; "+
                                              randomnum bor)
```

```
system.out.print ("Do you want to play again ? (YIN); ");
      PlayAgain = Scanner next() . char(0);
   y while (playagain == 'y' || play Again == 'y');
       scannericiose();
  output :-
  Random Number = 7
  Player enputs = 5,8,7
  output: "Too low", Too high, correct! 3 attempts.
3. multiplication table:
  import java-util-scanner;
  public class multiplication Table of
       Public static voidmain (string[]args) {
          Scanner scanner = new scanner (system.in);
          system.out. print ("Enter the ranges");
          int range = scanner . next ant();
          system.out. print( "enter number: ");
          int number = scanner. next Ont();
          for line i=1; il= range; i++)&
             system.out.println(number + " * " + 1 + "= " +
                           (mumber *i));
      scanner · close ();
  4
  output: -
   enput n=5
        1000 de = 3
        2 x 5 = 10
        5 x3 = 15
```

```
Even or odd number counter:
import java util scanner;
public class Evenodd counterd
   Public static void main (string[] args) {
        scanner scanner=new scanner(system.in);
        system · out· println ("Fiter the number of elements: ");
        int n = scanner next ont();
        int (7 numbers = new int (n);
        systemioutiprintlal"enter the element: ");
        for (inti=o; i Ln; i++) {
            numbers[i] = scanner, next ont();
     4
   ent even cout = 0;
   ent odd court = 0;
   Ont evensum =0;
   ent odd Sum = 0;
 for line number inumbers) {
        if (number 1, 2 ==0){
               evencount ++;
               evensum += number;
         3 elsef
             oddcount ++;
             addsum += number;
    4
   system.out.println ( evencount);
   system.out. println (oddcount);
   system · out. print (evensum);
    Systemiout. print (n (oddsum);
     scanner, close();
```

```
output :-
enput: { 2,3,4,5,64
 even count: 3
 616U 20W : 15
 odd count; 2
 odd sum : 8
simple ATM simulation:
import java util scanner;
public se class Atmsimulation of
       Public static void main (string [] args) {
       Scanner scanner = new scanner (system. in);
        int balance = 1000;
        int choice;
  206
    system-out-printly (" ATM menu: ");
    Bystem. out. println (" 1. check Balance: ");
     system rout println ("2. Deposit money: ");
     system.out.println("3.withdraw money");
     system.out.print(n("4.exit");
     system. out. printly ("choose an option: ")
     choice - scanner next ont():
     switch (choice) {
          case 1:
             system · out println (balance);
              break;
          case 2:
              system. out. println ("Deposit amount :")
           if (deposit so) 4
                  balance + = deposit;
              system. out printly (deposit);
```

```
4 eise {
    system.out.print(n("Onvalid");
  break;
 case 3:
   system · out· println ("withdraw amount:");
     int withdraw = scanner. next ont():
     if (withdraw > balance) &
            system. outopsintln ("error");
     4 e13e f
         system. out. Print (h ('withdraw);
     break;
case 4:
     system.out. println ("Trank you; ");
      break;
                    10 m mit a " ) withing dug on 538 gs
    default:
         system. out. print ("envalid");
                      engage son for prince la La constant
 4
                  1000 453 ar 5" ) or 11 0. 7 09 - 1200 - (110 4 24 2
3 while (choice ! = 4);
       scannex. closed:
                    a several falgoring too morale
 3
                      ( )702 1×97 1900002 - 53 1015
4
output :-
 ential balance = 1000
               some sallaire more company
  DOPOSIT = 200
   O'll = warbythow
 2010nce = 1050.
```