Subject rame programming in Java
Subject code 
CSA - 0914

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Aims To write Java Flogram for Student Grading System

Pseudo code +

Step 1 + Start and doclare variables.

Step 2 + Get input from user Store it in

Step 3+ of Score = 90 Print Grade A

elseif Score = 80 Print Grade B

elseif Score = 70 Print Grade C

elseif Score = 60 Print Grade D

else score = 60 Print Grade D

Step 4+ End Program

Program +

import java. util. Scanner;

Public class Grade !

Public Static, main (String [ ] age) of

Scanner input = new scanner (system.in)

```
Systemout-println ("Enter Student Score; ");
      int Score = Sammerinput.nentint();
   Char grade;
      if (score > = 90) f
         grade = 'A';
     else of (score >= 80) {
          grade = 'B', 4
     else : 1 (score >= 70) 1
           grade = 'c'; }
      else 1/ (score >= 60) {
           grade = 'D'; 3
            grade = 'F'; 3
    System. out. Printela ("The grade is:
                                           " + grade);
Output
Enter the Student Score: 80
  The grade is: B
```

Result , Code and output has sucressfully verified time To write a Java Program from number Guessing Grame Pseudo codes Step 1+ Begin and declare variables Step 24 Create class number & define range for the random number Step 3+ declare lower=1 & upper=10 Step 4+ Generate a random number and declare wer guess and number of hits=3 Step In Use while loop ( wername ! = number) Enter wer name & wer guess of (user quen comber to guess) Step-61 Step 7+ Print low, try again else if (wer Gruens > number to guen) Print high, Try again Print Congratualations Else Scanner close(); & end.

```
Program +
   import java. util . Saanner;
   import java. util · Pandom;
  Rublic Class. Guess
     Public static void main (string [ ] ayes) q
   Scanner input = new Scanner Csystemin);
   Random randoms new Randomes;
    int lowers;
   int upper=10;
   int number Gues = random new (int Cupper - lower H)
                             + lower);
  Int use Gues=0;
  int number of Tries= 3;
while (wer Gruen! = number Gruen) }
     System. Out. Println ("Enter your guen: ");
       Use Gues = input nextInt();
        number Of Tries ++;
     of ( user Gruess < number Gruen) of
        Systemout. Println ("Too low! Try again!"),
else if ( werenes > number 6 men) of
     Systemout Printle ("Too high! Try again");
```

else 1 System.out. print ln ("congractulations"+ number + nies); ]] Output. Enter your gues: 5 Too low! Try again Enter your ques: 9 Congractulations you guessed the number in 2 tries Aim + To write Java Program for multiplication table program Pseudo codes Stept + Start & abclare variables Create class table and declare number Get input number from user Begin for loop (is oton) & logic nxi= nxi & Print & end Program , import java. util. Scanner; Public Class tables Public Static void main (Stringer args) Scanner in put = new Scanner (system in),

```
System. Out. println ("Enter a number:");
    Port num = input nentsint();
    for (int 1= 1) (2=10; ++)
      System. Out. Printen (num + 'x"+ i+"="+" num Kil
     &co in put . close();
  Output +
   Entera number : A
   AX124
   4x2= 3
   ax3=12
   4 x4=16
   4 x5=20
   446=14
   4x7=28
  4×8=32
   449=36
   4x10=40
                           Program for Counting
4) tim + To write Java
     even & odd numbers.
 Bendo code:
 Stept+ Start and declare variables.
          get input from user and declare even=08
```

```
Step & Regin for loop (1= 0 to n=1)
  Step 44 If (number [1] x D==0) Hen even+1
          else, odd + send loop & Print
          even & odd & end
  Program,
  import. Java. util. Scanner;
  Public class county
   Public Static Void main ( String [ ] args)
   Scanner input = new Scanner (system. in);
 System-out printle ("Enter number-of elements:")
 int n= input. nent Intco;
 int Conumber = new int [n];
 int evenso;
 Pat odd=0;
System. Out. println ("Enter numbers: ");
 for (int i= 0; i < n; i++)
     number Ci] = Paput . nent Int ();
    if (number Ci ] 1. 2== 0)
           event+13
   else { odd ++; 3 3
```

System out print on ("No of even numbers;" + even); : Systemout Pinten ("No. of odd numbers: "+odd) Output, Enter the elements: 2 3 4 5 9 10 No-of Even Count = 3 No of odd numbers = 3 Ain + Towrite Bava Program for ATM & imulation Start and declare class ATM and Pseudocode initialize balance = 1000 Using while (len: 4) welcome to the ATM Please choose on option 1) Balance 2) Deposit 3) withdraw @ Brik Choice Or balace choice 5 -> deposit deposit (xmount >0) balance t= Amount;

Step & Regin for loop (1= 0 to n-1) Step an If (number [i] x D==0) Hen even+1 else, odd +1 Eend loop & Print even & odd & end Program, import . Java util . Scanner; Public class county Public Static Void main ( String [ Jargs) 1 Scanner input = new Scanner (system. in); System-out-printle ("Enter number-of elements"), int n= input. nent Int(); int [ Joumber = new int [n]; int even=0; int odd = 0; System. Out. println ("Enter numbers: "); for ( int = 0; i < n; i++) number [i] = Anput · nent Int (); if (number Ci]1. 2== 0) event+13

else { odd ++; 3 3

```
int choice - Scanner next Intel;
        Switch (choice)
       Case 1: System. Out. print la Cyour currents balance! 4
                                     balance).
               break;
       COK 2: Systemout Println ( " Enter amout to
                                 deposite: );
               double depo = Scamerinest Double(S)
                balance+= de po;
     Case 3 + System. out-Println ("Enter amout:");
               double with = Scanner. next Doublecs;
                System out Println ( Your balones: "+ balance);
    Case 4: System. out. Printeln (" Thank you);
                break;
   default , System out Printle ("Enter Conect
                                          choice!!").
   If Scamer closecs; &3
 Output + welcome to ATM
 Pleak Choose an option.
 l'check Balance 2 Deposit amount
                       4. exit
3. withdrawl
enter your choice ! 1
 Your balance is $ 1000.0
enter your choice : 4
```