To write a javo program for Cakulating students grade based on marks Fando codo i) Initialize the Uniables 2) got the input marks from the user 3) Based on the marks category assign the grade for eg if marks > 90 grade A 1) Print the grade Brogram import java util scanner; Public class Grade? Public Static void main (string[] args) ¿ Scanner input = new Scanner (Systemin). System out print ("enter your mark 8"); int m = input nextlat(). char grade; if(m>=90) Bloge : , N . .

else if (m 290 4 4 m>=80)

grade = 'B'; else if (m280 df m>=70) grade = Y'; else if (m270 14 m7=6) grade = 1 D'; grade: (E /; system. out. print ("Grade = "+ grade); Sample output enter your marks: 74 Grade : C 2. Aim: To write Java program for guessing a simple number between land 10 Pseudo code: 1) assign the variables 2) using random function assign any no between 1 to 10 3) ask the user to guess that number give 3 changs to user using for loop 4) If user lost then print the system guessed number Riogram: Random random: new Random (); system out print ("guess any number between I to 10: ");

```
int 1: random. next Int (10)+1;
 intij
 for (i=0', i 23', i++)
: ()faltxen-fugari = a + in 3
  if (x>a)
  E system out print ( too low i);
 else if (oza)
 ¿ system · out. print ("too high ");
  <sup>J</sup>else
    system. out print ("you win");
    system. exit (a).
  ر
الإ (الاع)
   system. out print ("In try again: ");
   if (iz=3)
   systemiant i print (1/2) you lost In System guessed " + x + " better
       luck next time ");
Sample output
guess any number between 1 to 10:7
too high
try again: 5
 too low
```

try again: 8 too high you pet system guessed 6. better luck ment time 3, Alm To write java pragram for generating and displaying the multiplication table Pseudo code 1) Initialize the variables 2) get the input number from the user 3) using for loop generate the multiplication table by multiplying i with number 4) display the multiplication toble Program System. out- print ("enter the number"); int a = input next Int (); for (int i=1'si210'si+1) System. out. println (a+"*"+ i+ "= "+a*i); رُالُ

```
Gample output
enter the number. I
1 * 1=7
2 × 2 = 14
A × 3 - 21
1 * 10 = 70
I'm To write Java program for even and add
manter
Facudo rodo:
1) Initialize the variable
2) declare some number in anay
3) check each number is divisible by 2
u) if divisible then it is even else it is odd number
 Frogram:
  int [] a= 22,3,4,5,63.
   int e(=0) o(=0)
   for (int i=0; i a . length , i++)
   à if (a[i].). 2 == 0)
     €E++',
```

else OC++; system. out print ("no of even numbers = "tec); System. out . print ("no of odd numbers = "toc). Sample output no of even numbers = 3 no of odd numbers = 2 Aim To conte jova program for simulating a basic ATM System Pseudo Code: import java util Scanner; Public class atm ; Public static roid main (string[] args) ¿ scanner input = new scanner (system in); int 1=1000; boolean ch = true; while (ch) & system. out. print In ("choose the operation In 1. Deposit In 2. with Drawm 3. Check Balance /4. exily)

```
int a = input next Int();
  if (a== 1)
   System out print ("enter the amount to deposit:");
   int d = input next Int();
   int = d;
   system out print (" In Amount Deposited successfully").
  else if (a==2)
 E system. out print ('enter the amount to withdraw: ');
  int w=input·next Int().
   if (in >w)
   in -= 0;
  elsp
  system out print ("Insufficient balance In");
 system. out print ("Balance updated Sucressfully /n").
else if (a==3)
   system out-print ("In your Balance; "tint "h");
 ٤
 else
  System. out. print ("closing..");
   System .ex; t(a);
```

Sample output

Denter the amount to deposit: 200

choose the operation: 2

enter the amount to with draw: 150

Balance updated successfully

Choose the operation: 3

Available Balance: 1050

chase the operation: 4