Aim: to write a java program for calculating students grade based on marks. Pseudo code: step 1: - initialize the variables steps:- get the input marks from theuser step3: based on the marks category assign the grade for egit marks > 90 grade = A step4: - print the grade Program: package assignment; import java · util · scanner; public class Grade & Public static void main(string[] args) { scanner input = new scanner (system:in). system.outobrint ("enter your marks:"); juf w = jubaf. wexf Inf(). char drage, if (m >= 90) grade='A'. else if (m < 90 fd m>=80) asage = , B, .

6126;7 (W<80 ff W>= 40)

```
grade = 'C':
  else if (m < 70ff m >=60)
     grable = 'D'.
   e15e
    grade = 'F'.
   system.out-print("Grade = "+grade);
 Sample output: enteryour marks; 74
                  CURAGE = C
Aim: - To write javaprogram 501 guess
ing a simple number between 1 and 10
Psendocode:-
stepl:- assign the variables
step 2: - using random functions assingn
        any number between 1 to 10.
step3:- ask the user to guess that number
         - give 3 chances to users using
          400 100P
Step 4: - it number is smaller greater or
        equal print the statement
 Steps: - If user lost then print the
          system guessed number
```

2,

```
brodram:
import java-util-scanner:
public class number - guessé
public static void main (string [ Jargs) {
 Scanner input = new scanner (system.in);
 Random & oindom = nen Random ()?
system. out . print ("guess any number
                petnoew I to 10: ,, ];
 int &= rangom: next Inf (10)+13
    int:
    $ (++1:85>1:00=1)80t
      int a = in bat . west Int ();
      (p< x) ti
      Ş
     system. Ontobeint (,, too low,,);
      else if (rca)
      5
      systemooutoprint ("too high");
      3
     6126
     sastem.oat.beint(,, don n; U,,).
     system.exit(0)3
```

```
is(i<2)
   system-out-brint ("Intra again:").
   (E=<i) ti
   system.out. Print ("Inyou l'ost in
   system. guessed "+7.+" better luck
             JEXF FILME , J.
sample output:-
dness and unuper petween I foro: +
  too high
try again:5.
 400 (ON
 try again; &
too high
400 10SF
sastem dueszeg e petter lack wext
                    time
```

Aim:-

towsite sava program sor generating and displaying the multiplication table

## Pseudo code:

step 2: - get the imput number trom the step 3: - using for loop generate the multiplying tiplication table by multiplying in the night number.

step 4: - display the multiplication table

## Program:-

system.out.println(a+","+;+"=")+a\*;);

int a=:nput.next = new ();

int a=:nput.next =

## Sample output:

enter the number: 7

- fra frage xxxxx x

Aim: to write java program tor Even and odd connter Pseudo code: Step 2: initialize the variables Step 2: declare some number in away steps: . . check each number is divis i ble by 2 stept: ... it divisible than it is even else it is odd number Program:import java-util. scanner. b.mplic. class éren-ogg-connt & Public. Static. void. main ( string [ ] 2 ( 2 p ro scanner. input = new scanner(system · (N) int [] a = {2,3,4,5,6}3 int 6 c = 0 0 c = 03 for (int: ?=0; ica, length; i++)

4

if (a[i] % = = 0)

```
ect+3
  e188
  00 + +>
  3
sastem. Onto brint ( , unumper of even
        mamper2 = "+60);
system. out. print ("number of odd
         numbers = "+0c);
```

## out put:

number of even numbers = 3 number of odd numbers = 2 Aim: 10 write sava program for simulating a basic ATM system brodrawiimport jora atil. scanner; Public class atmi Public. Static void. main(string [ Jarg)} scanner.input = new scanner (system int 1=1000; :(Wie poolean. ch = fine; while (ch) ? system. outoprint In (" choose the operation/n1. Deposit/n2. with Draw M3. check Balance Harexiti int a= input ment Int(). if (a==1) system: out . print ("enter the amou NF FOGEBOSIFE, ); int q = inputonext. Int (); 1816 = do

```
system.outsprint ("In Amount Deposités
    successfully");
e (se.if(a==2)
systemout. print ("enten. the amount to
     mifugian.s.j.
int m=input onextiut();
 (moni) ti
 in == w;
 system.outoprint ("Insufficient
 bralance (n'))
system. out. print ("Balance updated
      success fully 1m"); }
 else. (1+(a==3)
 systemoout.print("In your.Balance
            。"ナラハナ、"(ハ)")
 eise
 system-out-print("closing---");
```

```
system. exitios;
3
3
z
sample output:
choose the oberation 1. Debozif 5-nift Dim
  3. theck Balance trenit.
 1) enter the amount to deposit 3200
 choose . the Oberation: 5
  Enter the amount to nith grans 120
  Balance updated. Succe ssfully
  choose the operation:3
   Available Balance : 1050
   choose the operation; 4
```

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