22/8/24

## CSA0914 - Jaka PRograming

ASSIGNMENTH

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D Scenario 1: Student Creading System.

AIM:

To write a Java program to calculate the students

## Pseudo Code:

- 1. initialize the score as the variable
- 2. Then use the if else loop condition to treate the logic condition.
- 3. Then include the creade, score condition.
- 4. Display the output.

## PROURAM:

Import Java util . Scanner;

Public class student corracting system &

Public static void main (string [] args) &

Scanner . Scanner = new Scanner (system . in);

do 1

system out. print ("Enter the student's score: "); int score = Scarmer - next Int ();

char grade;

if (score > = 90) {

grade = i A';

3 else if (score == 80) {

grade = '8';

3 else if (score > , 70) { grade = 'c'; 3 else if ( soon = , 60) & grade - D'; System. out . printly ("carable " + grade); System. out print ("Do you want to enter store? (45/No):" Continue Ingut = scanner . next (); 3 while (continue Taput. equals Ignorecase ("yes")); Scanner · close (); Enter the shublent's score: 85 Corade : B 2. Scenario 2: Number Creusing Crame. To write a program to guess the Number randomly selects a Num b/w 1 A 10. Psaudo code: 1. Initialize the Variables as random Num. 2. hre the for & if else loop condition to this syntax Then include the quest to wheeh the condition Display the Output data.

```
code:
 import Java - util-Random;
        Java - util scannor;
 import
 public class Num of crussing crame {
           public Static void main (string [] args) ?
                  Scanner . Scanner -- new Scanner (system - in)
                  Random Random - New Random ();
                  String play sgain;
                 int grandom Num - Grandom. next Int (10)+1;
                5 yestern . out . print ("Attempt" + if "=");
                if (guess = " Grandom Numb ) {
                     System - out . print In ( "correct! you gessel it in + i + "atle);
                    System - out - print la ( " Too high");
           Sunner close;
Output:
    Attempt 1:5
     Tow low
    Attempt 2:8
       Too high
  Attempt 3: 7
    Correct ? you quered in 3 attempt.
```

```
3. Multiplication Table
    To write a program to print multiplication Table
 Pseudo code:
  1. Initialize the variable as X
  2. We the for loop condition to print the Table
  3. use the Range function print
  4. Display the mugliplication table.
 Code:
  import java - wil . scarner;
  Public class hultiplication table crenorator &
         Public states void main Estring 5 J args) ?
             system out print ("Enter the Num for mul: ");
              int number = scanner-heat Int ();
             system out . print ( Enter the range . (eg. 15); ");
             int range = Scanner - next Int ();
            8 ystem. out - print to (" mut table . for" + mum + " ");
             for (int == 1; 1 == range = i++) [
                    System out print hal wumber + "x" + i + '= " ( num + "; );
        5 conner · clase ()
output:
  05 % 1: 55
                      5 x 6 = 36
  5x2=10
                      5 x7 - 35
  5 × 3 = 15
                      5 x 8 = 40
  5x4 = 20
                      5 × 9 = 45
```

5 × 10 = 50

5 x 5 = 25

```
suurio 4: E Ken & odol Number counter
    to corite a program to print the need to cout even A odd
Pseudo Code:
  1. Initialize the variables even a odd
  2. Use the for loop condition statement to check
      the Condition
   3. Then create the syntax for it.
   4. Display the output
 Program:
   Public class Even odd counter &
            Public static void main (string of Jargs) -{
                  Scanner . Scanner - new Scanner ( System in );
              5 ystem - out . print (" Enter the Num of elements:");
              int size = scanner , next aut ();
              for (int 1=0; ic size; i+1) {
                     Member [ ] - seanner - next Int ();
            int even count = 0;
             int ordd count = 0;
            ind even sum = 0;
                odol sum =0;
          System. out - print les l'Euces count; "+ even cont : "and lout ;");
       Stanner . (clase 1)
    Frent cout: 3 odd cont: 2
```

Scenario 5: Simple ATM Simulation. To write a program to simulation of simple ATM. Pseudo Lode: 1. Initialize the variables as bollance, deposit, withdrawl 2. Then case the switch case condition to implement this dato case. 3. Then create the syntax to implement this 4 Display the output. Code: public class Am simulation ? Public static Void main (string [] args) { Scanner scanner - new scanner ( System . in ); double balance = 1000.0; boolean exit - John; while (! exit)? 5 yestern-out. print la ( " Mon menu"); int thore - Stames next tot (); Switch (choice) { 5 ystem out printle ( your wiret bulance is ) break; Case 2; System out print ( "invalial withdrawl and "); break; 5 canner. close(); 1. Balanc becomes \$ 1200