**TASK-1**

**import java.util.Random;**

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**public class Main {**

**public static void main(String[] args) {**

**Random rand =new Random();**

**int i,score=0;**

**Scanner sc= new Scanner(System.in);**

**System.out.println("guess the number in the range of 100");**

**System.out.println("you have got only 5 chances to guess the number");**

**for (i=0;i<5;i++) {**

**int num1= rand.nextInt(100);**

**System.out.println("enter the number: ");**

**int num2 = sc.nextInt();**

**if (num1 == num2) {**

**System.out.println("the number which you have entered is correct");**

**System.out.println("the number is " + num1);**

**score = score+1;**

**} else if (num2>num1)**

**{**

**System.out.println("the number which you have guessed is too high");**

**System.out.println("better luck next time ");**

**System.out.println("the number is " + num1);**

**}**

**else {**

**System.out.println("the number which you have guesed is too low ");**

**System.out.println("better luck next time ");**

**System.out.println("the number is " + num1);**

**}**

**}**

**System.out.println("game over");**

**System.out.println("your score is "+score);**

**}**

**}**

**TASK-2**

**import java.util.Scanner;**

**public class project2 {**

**public static void main(String args[]){**

**Scanner sc = new Scanner(System.in);**

**int total=0;**

**System.out.println("student grade display");**

**System.out.println("enter the marks sored out of 100 in all Subjects");**

**System.out.println("enter the marks scored in English ");**

**int mark1= sc.nextInt();**

**total= total+mark1;**

**System.out.println("enter the marks scored in Kannada");**

**int mark2= sc.nextInt();**

**total= total+mark2;**

**System.out.println("enter the marks scored in Hindi");**

**int mark3= sc.nextInt();**

**total= total+mark3;**

**System.out.println("enter the marks scored in Mathematics");**

**int mark4= sc.nextInt();**

**total= total+mark4;**

**System.out.println("enter the marks scored in Science");**

**int mark5= sc.nextInt();**

**total= total+mark5;**

**System.out.println("enter the marks scored in Social Science");**

**int mark6= sc.nextInt();**

**total= total+mark6;**

**float percentage= (total\*100/600);**

**if (percentage<40){**

**System.out.println("the student the failed in the exams ");**

**}**

**else if (percentage>40&&percentage<=50) {**

**System.out.println("the student has passed in the exam");**

**System.out.println("the grade obtained is 'C'");**

**}**

**else if (percentage>50&&percentage<=60) {**

**System.out.println("the student has passed in the exam");**

**System.out.println("the grade obtained is 'B'");**

**}**

**else if (percentage>60&&percentage<=70) {**

**System.out.println("the student has passed in the exam");**

**System.out.println("the grade obtained is 'B+'");**

**}**

**else if (percentage>70&&percentage<=80) {**

**System.out.println("the student has passed in the exam");**

**System.out.println("the grade obtained is 'A'");**

**}**

**else if (percentage>80&&percentage<=90) {**

**System.out.println("the student has passed in the exam");**

**System.out.println("the grade obtained is 'A+'");**

**}**

**else {**

**System.out.println("the student has passed in the exam");**

**System.out.println("the grade obtained is 'S'");**

**}**

**System.out.println("the total marks scored by the student is "+total+"out of 600");**

**System.out.println("the average percentage obtained is "+percentage);**

**}**

**}**

**TASK-3**

**import java.util.Scanner;**

**public class test {**

**static float Deposit(float deposit,float amount){**

**System.out.println("the amount has been deposited sucessfully");**

**amount+=deposit;**

**System.out.println("the remaining balance is "+amount);**

**return deposit;**

**}**

**static float Withdraw(float withdraw ,float amount){**

**if (withdraw>0&&amount<=withdraw){**

**if (withdraw<=20000){**

**amount-= withdraw;**

**System.out.println("please collect your cash ");**

**System.out.println(" the remaining balance is "+amount);**

**}**

**else {**

**System.out.println("your account does not have the permission to withdraw the entered amount");**

**System.out.println("for further details contact your bank");**

**}**

**}**

**else {**

**System.out.println("insufficient fund");**

**}**

**return withdraw;**

**}**

**static float balanceenquiry(float amount){**

**System.out.println("the remaining balance in your account is "+amount);**

**System.out.println(" thankoyou for using ATM MACHINE ");**

**return amount;**

**}**

**public static void main(String[] args){**

**Scanner sc= new Scanner(System.in);**

**System.out.println("welcome to ATM MACHINE");**

**while(true) {**

**float amount = 10000;**

**System.out.println("choose the option to avail services ");**

**System.out.println(" press 1 for 'WITHDRAW");**

**System.out.println(" press 2 for 'DESPOSIT'");**

**System.out.println("press 3 for 'BALANCE ENQUIRY'");**

**System.out.println(" press 4 'EXIT'");**

**System.out.println("enter your choice ");**

**int choice = sc.nextInt();**

**switch (choice) {**

**case 1: {**

**System.out.println("enter the amount to be withdrawn");**

**float withdraw = sc.nextFloat();**

**Withdraw(withdraw, amount);**

**break;**

**}**

**case 2: {**

**System.out.println("enter the amount to deposited");**

**float deposit = sc.nextFloat();**

**Deposit(deposit, amount);**

**break;**

**}**

**case 3: {**

**balanceenquiry(amount);**

**break;**

**}**

**case 4: {**

**System.exit(0);**

**break;**

**}**

**default: {**

**System.out.println("please enter a valid choice ");**

**break;**

**}**

**}**

**}**

**}**

**}**