**Solve 1 :**

package Problem\_Solving\_01;

public class AirCondition {

private double Temperature;

public void Getvalues(int temp){

Temperature=temp;

if(Temperature==18){

System.out.println("Weather is Warm");

}

else if(Temperature==25)

{

System.out.println("Weather is cold");

}

}

public void Display(){

System.out.println("Temperature is "+Temperature+" Degree Celcius");

}

}

**Main Class :**

package Problem\_Solving\_01;

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

int temp;

temp=input.nextInt();

AirCondition weather = new AirCondition();

weather.Getvalues(temp);

weather.Display();

}

}

**Solve 2 :**

package Problem\_Solving\_02;

import java.util.Scanner;

public class Employee {

Scanner input = new Scanner(System.in);

String Name;

double salary;

String Designation;

public Employee(String n,double s){

Name=n;

salary=s;

}

public void Salary(){

System.out.print("Enter your Designation : ");

Designation = input.nextLine();

System.out.print("\n");

if(Designation.equals("Project Manager")){

salary = 50000;

}

else if(Designation.equals("Developer")){

salary = 30000;

}

}

public void Display(){

System.out.println("Your Name Is : "+Name);

System.out.println("Your Salary Is : $"+salary);

System.out.println("You are a : "+Designation);

}

}

**Main Class :**

package Problem\_Solving\_02;

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

String Name;

double salary;

Scanner input = new Scanner(System.in);

System.out.print("Enter Your Name : ");

Name=input.nextLine();

System.out.println("\n");

System.out.print("Enter Yor Salary : ");

salary=input.nextDouble();

System.out.println("\n");

Employee Emp1=new Employee(Name,salary);

Emp1.Salary();

Emp1.Display();

}

}

**Solve 3 :**

package Problem\_Solving\_03;

public class Employee {

int Id;

String name;

String Designation;

double salary;

double yearlysalary;

public Employee(int Id, String n,String des){

this.Id=Id;

name=n;

Designation=des;

}

public void setsalary(){

if(Designation.equals("Manager"))

{

salary=20000;

}

else if(Designation.equals("Stuff"))

{

salary=10000;

}

}

public double yearlysalary(){

return 12\*salary;

}

public double calculatebonus(){

if(salary==20000){

return (salary\*.02);

}

else

{

return (salary\*.05);

}

}

public double Totalyearlysalary(){

return yearlysalary()+calculatebonus();

}

public void Display(){

System.out.println("ID : "+Id);

System.out.println("Name : "+name);

System.out.println("Salary : "+salary);

System.out.println("Yearly Salary : "+yearlysalary());

System.out.println("Calculate Bonus : "+calculatebonus());

System.out.println("Total Yearly Salary With Bonus : "+Totalyearlysalary());

}

**Main Class :**

package Problem\_Solving\_03;

public class Main {

public static void main(String[] args) {

System.out.println("1st Employee : ");

Employee Manager=new Employee(101,"MMIB","Manager");

Manager.yearlysalary();

Manager.setsalary();

Manager.Totalyearlysalary();

Manager.Display();

System.out.println("\n");

System.out.println("2nd Employee : ");

Employee Stuff=new Employee(102,"Shakil","Stuff");

Stuff.yearlysalary();

Stuff.setsalary();

Manager.Totalyearlysalary();

Stuff.Display();

}

}

**Solve 4 :**

package Problem\_Solving\_04;

import java.util.Scanner;

public class Salesperson {

Scanner input = new Scanner(System.in);

int id;

String Name;

double salary;

int bonus;

public Salesperson(int id,String n,double s){

this.id=id;

Name=n;

salary=s;

}

public double calculatesalary(){

System.out.print("Monthly Salary : ");

return salary\*30;

}

public void calculatebonus(){

int salesproducts;

System.out.print("Input your Total daily Sales : ");

salesproducts=input.nextInt();

if(salesproducts>100)

{

bonus= 500;

}

else if(salesproducts<100){

bonus = 0;

}

}

public void Display(){

System.out.println("ID : "+id);

System.out.println("Name : "+Name);

System.out.println("Daily Salary : "+salary);

System.out.println(calculatesalary());

System.out.println("calculate Bonus : "+bonus);

}

}

**Main Class :**

package Problem\_Solving\_04;

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

int id;

String na;

double DailyPaid;

System.out.print("Enter Your Id : ");

id=input.nextInt();

System.out.println("\n");

/\*

System.out.println("Enter Your Name : ");

na=input.nextLine();

System.out.println("\n");

\*/

System.out.print("Enter Your Daily Paid : ");

DailyPaid=input.nextDouble();

System.out.println("\n");

Salesperson obj =new Salesperson(id,"Alim",DailyPaid);

obj.calculatebonus();

obj.Display();

}

}

**Solve 5 :**

package Problem\_Solving\_05;

import java.util.Scanner;

public class BDNCM\_Team {

Scanner input = new Scanner(System.in);

String Name;

int Age;

double PrizeMoney;

double bonus;

int plays;

public BDNCM\_Team(String n,int a, double tpm){

Name=n;

Age=a;

PrizeMoney=tpm;

}

public double CalculateTotalPrizeMoney(){

System.out.println("Enter Playing Matches : ");

plays=input.nextInt();

if(plays>=10)

{

return PrizeMoney\*10;

}

return 0;

}

public void Bonus(int match){

if(match>10){

bonus = 1000;

}

}

public void Display(){

System.out.println("\n");

System.out.println("Name : "+Name);

System.out.println("Age : "+Age);

System.out.println("Prize Money : "+PrizeMoney);

System.out.println("Total Prize Money For Playing 10 Matches : "+CalculateTotalPrizeMoney());

System.out.println("Your Bonus : "+bonus);

}

}

**Main Class :**

package Problem\_Solving\_05;

import java.util.Scanner;

public class Main {

public static void main(String[] args) {

String Name;

int Age;

int T;

Scanner input = new Scanner(System.in);

System.out.println("Enter Your Name : ");

Name=input.nextLine();

System.out.println("Enter Your Age : ");

Age=input.nextInt();

BDNCM\_Team player1=new BDNCM\_Team(Name,Age,3000);

player1.CalculateTotalPrizeMoney();

System.out.println("Enter The Matches You Play ? ");

T=input.nextInt();

player1.Bonus(T);

player1.Display();

}

}