//Asutosh Assignment

//Single level Inheritance

class Employee{

int a=40;

}

class lawyer extends Employee{

int b=10;

public static void main(String args[]){

lawyer p=new lawyer();

System.out.println(p.a);

System.out.println(p.b);

}

}

//Multilevel Inheritance

class A{

void A1(){

System.out.println(“Class A”);

}

}

class B extends A{

void B1(){

System.out.println(“Class B”);

}

}

class C extends B{

void C1(){

System.out.println(“Class C”);

}

}

class D{

Public static void main(String args[]){

C d=new C();

d.c1();

d.b1();

d.A1();

}

}

// Area of circle, square, rectangle

class rectangle{

int area(int a,int b){

return a\*b;

}

}

class square extends rectangle{

int area(int a){

return a\*a;

}

}

class circle extends square{

int area(int a){

return 3.14\*a\*a;

}

}

public class Main{

public static void Main(String args[]){

circle c=new circle();

System.out.println(c.area(5,6));

System.out.println(c.area(5));

System.out.println(c.area(6));

}

}

//reverse a Number

import java.util.\*;

public class Main{

public static void main(String args[]){

Scanner sc=new Scanner(System.in);

int res=0;

System.out.println("Enter a number");

int n=sc.nextInt();

while(n!=0){

int rem=n%10;

res=res\*10+rem;

n=n/10;

}

System.out.println(res);

}

}

// electricity bill

import java.util.Scanner;

public class Main{

public static void main(String args[]){

Scanner sc=new Scanner(System.in);

int unit=200;

int result=0;

if(unit<=50){

result=unit\*5;

}

else if(unit<=200){

result=unit\*10;

}

else if(unit>200){

result=unit\*15;

}

System.out.println(result);

}

}