Q 1

package hi;

import java.util.Scanner;

public class Hi {

public static void main(String[] args) {

float wieght,height, BMI;

Scanner sc = new Scanner(System.in);

System.out.println("Enter your Weight");

wieght=sc.nextFloat();

System.out.println("Enter your height in meters");

height=sc.nextFloat();

height=height\*height;

BMI=wieght/height;

System.out.println(BMI + "BMI is : ");

if(BMI<18.5)

{

System.out.println("Underweight");

}

else if(BMI<=24.9 && BMI>=18.5)

{

System.out.println("Normal");

}

else if(BMI>=25 && BMI<=29.9)

{

System.out.println("Overweight");

}

else if(BMI>30)

{

System.out.println("Obese");

}

}

}

Q 2

package Q2;

import java.util.Scanner;

public class Q2 {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int a,c,num,n,ch;

double p,total,add;

String choice;

System.out.println("Enter your account number");

a=sc.nextInt();

System.out.println("Enter customer code");

c=sc.nextInt();

System.out.println("Enter 'R' for residentials customers");

System.out.println("Enter 'B' for business customer");

System.out.println("Enter your service");

choice=sc.next();

switch(choice){

case "R":

System.out.println("Enter number of premium channels you want to subscribe");

num=sc.nextInt();

p=num\*7.50;

total=4.50+20.50+p;

System.out.println("Account number:"+a);

System.out.println("Customer code:"+c);

System.out.println("Your total bill is "+total+"dollars");

break;

case "B":

System.out.println("Enter number of premium channels you want to subscribe");

num=sc.nextInt();

System.out.println("Enter number of basic services connections");

n=sc.nextInt();

System.out.println("Enter number additional channels");

ch=sc.nextInt();

add=ch\*5.00;

p=50\*num;

total=15.00+(n\*75.00)+add+p;

System.out.println("Account number:"+a);

System.out.println("Customer code:"+c);

System.out.println("Your total bill is "+total+" dollars");

break;

default:

System.out.println("Invalid input");

}

}

Q 3

public static void main(String[] args) {

int a, b, temp;

a = 15;

b = 27;

System.out.println("Before swapping : a, b = "+a+", "+ + b);

temp = a;

a = b;

b = temp;

System.out.println("After swapping : a, b = "+a+", "+ + b);

}

}

Q 4

import java.util.Scanner;

public class FFFF {

public static void main(String args[]){

int i=0,m=0,flag=0;

int n;

Scanner sc = new Scanner (System.in);

System.out.println("Enter the value to be checked");

n=sc.nextInt();

m=n/2;

if(n==0||n==1){

System.out.println(n+" is not prime number");

}else{

for(i=2;i<=m;i++){

if(n%i==0){

System.out.println(n+" is not prime number");

flag=1;

break;

}

}

if(flag==0) { System.out.println(n+" is prime number"); }

}

}

}

Q 5

package Q5;

import java.util.Scanner;

public class Q5 {

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

String choice;

int num;

System.out.println("Enter grade from the following"+"\n"+"A"+"\n"+"B"+"\n"+"C");

choice=sc.next();

switch(choice){

case "A":

System.out.println("Enter number of assignment you have failed in");

num=sc.nextInt();

if(num>3){

System.out.println("You have got zero grace marks");

}

else if(num<=3){

System.out.println("You have got 5 grace marks");

}

break;

case "B":

System.out.println("Enter number of assignment you have failed in");

num=sc.nextInt();

if(num>2){

System.out.println("You have got zero grace marks");

break;

}

else if(num<=2){

System.out.println("You have got 4 grace marks");

}

case "C":

System.out.println("Enter number of assignment you have failed in");

num=sc.nextInt();

if(num>1){

System.out.println("You have got zero grace marks");

}

else if(num==1){

System.out.println("You have got 5 grace marks");

}

break;

default:

System.out.println("Invalid Input");

}

}

}