MCQ

1-b

2-b

3-b

4-b

5-c

6-b

7-b

8-b

9-b

10-a

11-b

12-b

13-b

14-c

15-b

16-c

17-c

18-b

19-a

20-a

21-b

22-b

23-c

24-b

25-a

26-b

27-c

28-b

29-a

30-a

31-a

32-b

33-b

34-a

35-b

36-b

37-b

38-b

39-c

40-b

41-a

41-b

43-d

44-b

45-a

46-c

47-b

48-a

49-c

50-b

Coding

1)

public static void main(String[] args) {

int myint=6;

double myDouble=5.01;

boolean myBool=true;

char myChar='A';

System.out.println("My int value is "+myint);

System.out.println("My double value is "+myDouble);

System.out.println("My boolean value is "+myBool);

System.out.println("My char value is "+myChar);

}

2)

public static void main(String[] args) {

int a=10;

int b=5;

int addition=a+b;

int subtraction=a-b;

int multiplication=a\*b;

int division=a/b;

int modulus=a%b;

System.out.println("Addition value = "+addition);

System.out.println("Subtraction value = "+subtraction);

System.out.println("Multiplication value = "+multiplication);

System.out.println("division value = "+division);

System.out.println("Modulus value = "+modulus);

}

3)

public static void main(String[] args) {

int a=10;

int b=5;

System.out.println(a==b);

System.out.println(a>b);

System.out.println(a<b);

System.out.println(a>b && a>0);

System.out.println(a<b ||a>0);

System.out.println(!(a>b));

}

4)

public static void main(String[] args) {

int a=5;

++a;

System.out.println(a++);

System.out.println(a);

--a;

System.out.println(a--);

System.out.println(a);

}

6)

import java.util.Scanner;

class Main {

public static void main(String[] args) {

Scanner scanner=new Scanner(System.in);

int userInput=scanner.nextInt();

String output= userInput>0?"Positive":userInput<0?"Negative":"Zero";

System.out.println("Entered number is"+ output);

}

}

7)

public static void main(String[] args) {

int a=10;

int b=10;

int c=19;

int max= a>b? a:b;

max= max>c?max:c;

System.out.println("Max value is "+max);

}

8)

public static void main(String[] args) {

int year=2400;

if(year%4==0){

if(year%100==0){

if(year%400==0){

System.out.println("Year "+year+" is a leap year");

}

else{

System.out.println("Year "+year+" is not a leap year");

}

return;

}

System.out.println("Year "+year+" is a leap year");

}

else{

System.out.println("Year "+year+" is not a leap year");

}

}

9)

public static void main(String[] args) {

int input=7;

switch(input){

case 1-> System.out.println("Monday");

case 2-> System.out.println("Tuesday");

case 3-> System.out.println("Wednesday");

case 4-> System.out.println("Thursday");

case 5-> System.out.println("Friday");

case 6-> System.out.println("Saturday");

case 7-> System.out.println("Sunday");

default->System.out.println("Invalid");

}

}

11)

public static void main(String[] args) {

int input=6;

for(int i=1;i<=input;i++){

System.out.print(i+" ");

}

}

12)

public static void main(String[] args) {

int userInput=0;

int factorial=1;

if(userInput==0){

System.out.println("factorial value is 1");

return;

}

while(userInput>0){

factorial\*=userInput--;

}

System.out.println("factorial value is "+factorial);

}

13)

public static void main(String[] args) {

for(int i=1;i<6;i++){

for(int j=1;j<11;j++){

System.out.printf("Table of %d %d\*%d = %d ",i,i,j,i\*j);

}

System.out.println("");

}

}

14)

public static void main(String[] args) {

int rightTriangleBase=10;

int pyramidBase=10;

for(int i=1;i<=rightTriangleBase;i++){

for(int j=1;j<=i;j++){

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

}

System.out.println("");

}

System.out.println("====================");

for(int i=1;i<=pyramidBase;i++){

if(i%2==0){

continue;

}

for(int j=1;j<=i;j++){

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

}

System.out.println("");

}

}

15)

public static void main(String[] args) {

for(int i=2;i<=100;i++){

int count=0;

for(int j=1;j<=i;j++){

if(i%j==0){

count++;

}

}

if(count<3){

System.out.println(i+" is a prime number");

}

}

}