Q1: class Example {

public static void main (String[] args) {

System.out.println("Institute of Computer Engineering Technology");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

Institute of Computer Engineering Technology

Q2: class Example {

public static void main (String[] args) {

System.out.println("Institute of Computer Engineering Technology");

System.out.println("223 A,");

System.out.println("Galle Road");

System.out.println("Panadura");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

Institute of Computer Engineering Technology

223 A,

Galle Road

Panadura

Q3: class Example {

public static void main (String[] args) {

System.out.print("J");

System.out.print("A");

System.out.print("V");

System.out.print("A");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

JAVA

Q4: class Example {

public static void main (String[] args) {

System.out.println("1");

System.out.println(1000);

System.out.println(1.23);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

1

1000

1.23

Q5: class Example {

public static void main (String[] args) {

System.out.println("Hello");

System.out.println("A");

System.out.println(1234);

System.out.println(-1234);

System.out.println(1.2334);

System.out.println(0.0032);

System.out.println(-0.0023);

System.out.println('A');

System.out.println('6');

System.out.println(true);

System.out.println(false);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

Hello

A

1234

-1234

1.2334

0.0032

-0.0023

A

6

true

false

Q6: class Example {

public static void main (String[] args) {

System.out.print("A");

System.out.print("B");

System.out.print("C");

System.out.print("D");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

ABCD

Q7: class Example {

public static void main (String[] args) {

System.out.println("1");

System.out.print("2");

System.out.println("3");

System.out.print("4");

System.out.print("5");

System.out.println("6");

System.out.print("7");

System.out.print("8");

System.out.print("9");

System.out.println("10");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

1

23

456

78910

Q8: class Example {

public static void main (String[] args) {

System.out.print("1");

System.out.println();

System.out.print("2");

System.out.print("3");

System.out.println();

System.out.print("4");

System.out.print("5");

System.out.print("6");

System.out.println();

System.out.print("7");

System.out.print("8");

System.out.print("9");

System.out.print("10");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

1

23

456

78910

Q9: class Example {

public static void main (String[] args) {

System.out.println("A");

System.out.println("B");

System.out.println();

System.out.println("C");

System.out.println("D");

System.out.print(" ");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

A

B

C

D

Q10: class Example {

public static void main (String[] args) {

System.out.println("A");

System.out.println("B");

System.out.print();

System.out.println("C");

System.out.println("D");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example.java

Example.java:5: error: no suitable method found for print(no arguments)

System.out.print();

^

method PrintStream.print(boolean) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(char) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(int) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(long) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(float) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(double) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(char[]) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(String) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(Object) is not applicable

(actual and formal argument lists differ in length)

1 error

error: compilation failed

Q11: class Example {

public static void main (String[] args) {

int a;

a=100;

System.out.println("a";

System.out.println(a);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>javac Example.java

Example.java:5: error: no suitable method found for print(no arguments)

System.out.print();

^

method PrintStream.print(boolean) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(char) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(int) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(long) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(float) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(double) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(char[]) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(String) is not applicable

(actual and formal argument lists differ in length)

method PrintStream.print(Object) is not applicable

(actual and formal argument lists differ in length)

1 error

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>

Q12: class Example {

public static void main (String[] args) {

int a;

System.out.println("a";

System.out.println(a);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>notepad Example.java

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>javac Example.java

Example.java:4: error: ')' or ',' expected

System.out.println("a";

^

1 error

Q13: class Example {

public static void main (String[] args) {

int a = 100;

System.out.println(a);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

100

Q14: class Example {

public static void main (String[] args) {

int a;

System.out.println(a);

a=100;

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>javac Example.java

Example.java:4: error: variable a might not have been initialized

System.out.println(a);

^

1 error

Q15: class Example {

public static void main (String[] args) {

int x;

x=100;

x=200;

System.out.println(x);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

200

Q16: class Example {

public static void main (String[] args) {

int x;

x=100;

System.out.println(x);

x=200;

System.out.println(x);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

100

200

Q17: class Example {

public static void main (String[] args) {

int x=100;

int y=200;

System.out.println(x);

System.out.println(y);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

100

200

Q18: class Example {

public static void main (String[] args) {

int x;

x=1000;

System.out.println(x);

var y=2000;

System.out.println(y);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

1000

2000

Q19: class Example {

public static void main (String[] args) {

int x=100;

int y=200;

int z;

System.out.println(x);

System.out.println(y);

System.out.println(z);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>javac Example.java

Example.java:8: error: variable z might not have been initialized

System.out.println(z);

^

1 error

Q20: class Example {

public static void main (String[] args) {

int x=100,y,z=200;

System.out.println(x);

y="java";

System.out.println(y);

System.out.println(z);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>javac Example.java

Example.java:5: error: incompatible types: String cannot be converted to int

y="java";

^

1 error

Q21: class Example {

public static void main (String[] args) {

System.out.println("A");

//System.out.println("B");

System.out.println("C");

//System.out.println("D");

System.out.println("E");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

A

C

E

Q22: class Example {

public static void main (String[] args) {

System.out.println("A");

System.out.println("B");

/\*System.out.println("C");

System.out.println("D");

System.out.println("E");\*/

System.out.println("F");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

A

B

F

Q23: class Example {

public static void main (String[] args) {

int x=100;

int y=200;

System.out.println(x);

System.out.println(y);

x=y;

System.out.println(x);

System.out.println(y);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

100

200

200

200

Q24: class Example {

public static void main (String[] args) {

System.out.println(true);

System.out.println("true");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

true

true

Q25: class Example {

public static void main (String[] args) {

System.out.println(Java);

System.out.println("Java");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>javac Example.java

Example.java:3: error: cannot find symbol

System.out.println(Java);

^

symbol: variable Java

location: class Example

1 error

Q26: class Example {

public static void main (String[] args) {

System.out.println('A');

System.out.println("A");

System.out.println('2');

System.out.println("2");

System.out.println('JAVA');

System.out.println("JAVA");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>javac Example.java

Example.java:7: error: unclosed character literal

System.out.println('JAVA');

^

Example.java:7: error: unclosed character literal

System.out.println('JAVA');

^

Example.java:7: error: not a statement

System.out.println('JAVA');

^

3 errors

Q27: class Example {

public static void main (String[] args) {

System.out.println("Hellooooo\tJAVA");

System.out.println("Hellooooo\t\t\t\tJAVA");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

Hellooooo JAVA

Hellooooo JAVA

Q28: class Example {

public static void main (String[] args) {

System.out.println("Hi\tJAVA");

System.out.println("Hello \tJAVA");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

Hi JAVA

Hello JAVA

Q29: class Example {

public static void main (String[] args) {

System.out.println("AB\nCD");

System.out.println("");

System.out.println("EF\tGH\n\nIJ\tKL");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

AB

CD

EF GH

IJ KL

Q30: class Example {

public static void main (String[] args) {

System.out.println("time-"17:56:02");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>javac Example.java

Example.java:3: error: ')' or ',' expected

System.out.println("time-"17:56:02");

^

Example.java:3: error: unclosed string literal

System.out.println("time-"17:56:02");

^

2 errors

Q31: class Example {

public static void main (String[] args) {

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

System.out.println("\"institute of Computer Engineering Technology\"");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>javac Example.java

Example.java:3: error: illegal escape character

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

^

Example.java:3: error: unclosed string literal

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

^

Example.java:4: error: ';' expected

System.out.println("\"institute of Computer Engineering Technology\""):

^

3 errors

Q32: class Example {

public static void main (String[] args) {

System.out.println("First Line\nSecond Line");

System.out.println("A \tB \tC");

System.out.println("D \tE \tF");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

First Line

Second Line

A B C

D E F

Q33: class Example {

public static void main (String[] args) {

System.out.println("AB\nCD");

System.out.println("AB\tCD");

System.out.println("AB\fCD");

System.out.println("AB\bCD");

System.out.println("AB\rCD");

System.out.println("AB\\CD");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

AB

CD

AB CD

AB

CD

ACD

CD

AB\CD

Q34: class Example {

public static void main (String[] args) {

System.out.println(10+20);

System.out.println("10"+"20");

System.out.println("10"+20);

System.out.println(10+"20");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

30

1020

1020

1020

Q35: class Example {

public static void main (String[] args) {

System.out.println(20230326);

System.out.println("2023-03-26");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

20230326

2023-03-26

Q36; class Example {

public static void main (String[] args) {

int x,y,z;

x=10;

y=20;

z=x+y;

System.out.println(x+"+"y+"="+z);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>notepad Example.java

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>javac Example.java

Example.java:7: error: ')' or ',' expected

System.out.println(x+"+"y+"="+z);

^

Example.java:7: error: not a statement

System.out.println(x+"+"y+"="+z);

^

Example.java:7: error: ';' expected

System.out.println(x+"+"y+"="+z);

^

3 errors

Q37: class Example {

public static void main (String[] args) {

int x=10,y=20;

System.out.println(x+y);

System.out.println("X"+"y");

System.out.println("x+y");

System.out.println("x"+y);

System.out.println(x+"y");

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

30

Xy

x+y

x20

10y

Q38: class Example {

public static void main (String[] args) {

int x=10,y=20;

System.out.println(10+20+30);

System.out.println("10+20+30");

System.out.println(10+20+30);

System.out.println("10+20"+30);

System.out.println("10"+"20"+"30");

System.out.println("10"+20+30);

System.out.println(10+20+"30");

System.out.println(10+"20"+30);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

60

10+20+30

60

10+2030

102030

102030

3030

102030

Q39: class Example {

public static void main (String[] args) {

String s1="Hello";

System.out.println(s1);

System.out.println(s1.concat("JAVA"));

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

Hello

HelloJAVA

Q40: class Example {

public static void main (String[] args) {

int x,y,z;

x=10;

y=20;

z=x+y;

System.out.println(x+" + "+y+" = "+z);

z=x-y;

System.out.println(x+" - "+y+" = "+z);

z=x\*y;

System.out.println(x+" \* "+y+" = "+z);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

10 + 20 = 30

10 - 20 = -10

10 \* 20 = 200

Q41: class Example {

public static void main (String[] args) {

int x,y;

x=10;

y=20;

System.out.println(x+" + "+y+" = "+(x+y));

System.out.println(x+" - "+y+" = "+(x-y));

System.out.println(x+" \* "+y+" = "+(x\*y));

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

10 + 20 = 30

10 - 20 = -10

10 \* 20 = 200

Q42: class Example {

public static void main (String[] args) {

int x,y;

x=100;

y=200;

System.out.println(x);

System.out.println(y);

y=x;

System.out.println(x);

System.out.println(y);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

100

200

100

100

Q43: class Example {

public static void main (String[] args) {

int num = 103;

if(num>0){

System.out.println(num+"is positive number");

}else if(num<0){

System.out.println(num+"is negative number");

}else{

System.out.println(num+" is 0");

}

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

103is positive number

Q44: import java.util.\*;

class Example {

public static void main(String args[]){

Scanner input = new Scanner(System.in);

System.out.print("Input number - ");

int num = input.nextInt();

if(num > 0){

System.out.println(num + " is positive number");

} else if(num < 0){

System.out.println(num + " is negative number");

} else {

System.out.println(num + " is 0");

}

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

Input number - 3

3 is positive number

Q45: import java.util.\*;

class Example {

public static void main(String args[]){

Scanner input = new Scanner(System.in);

System.out.print("Enter your marks - ");

int mark = input.nextInt();

if(mark >= 75){

System.out.println("your grade is A");

} else if(mark >= 65){

System.out.println("your grade is B");

} else if(mark >= 50){

System.out.println("your grade is C");

} else {

System.out.println("your grade is F");

}

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

Enter your marks - 56

your grade is C

Q46: import java.util.\*;

class Example{

public static void main(String args[]){

Scanner input=new Scanner(System.in);

System.out.print("Enter Your age -");

int age=input.nextInt();

if(age<18){

System.out.println("age is not valid to vote");

}else{

System.out.println("welcome to vote");

}

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

Enter Your age -22

welcome to vote

Q47: class Example{

public static void main(String args[]) {

double x,y,z;

x=3;

y=4;

z=Math.sqrt(x\*x+y\*y);

System.out.println("Hypotenuse is"+z);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

Hypotenuse is5.0

Q48: import java.util.\*;

class Example{

public static void main(String[] args){

Scanner input = new Scanner(System.in);

System.out.print("Enter any number- ");

int num=input.nextInt();

int fact=1;

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

fact=fact\*i;

}

System.out.println("The factorial of"+num+"is"+fact);

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

Enter any number- 12

The factorial of12is39916800

Q49: import java.util.\*;

class Example{

public static void main(String[] args){

Scanner input=new Scanner(System.in);

System.out.print("input your age- ");

int age=input.nextInt();

if(age<18){

System.out.println("age is not valid to vote");

}

else{

System.out.println("welcome to vote");

}

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

input your age- 17

age is not valid to vote

Q50: public class Example{

public static void main(String args[]){

for(int i=-5;i<6;i++){

int result =i!=0?100/i:0;

if(i!=0){

System.out.println("100/"+i+"is"+result);

}

}

}

}

//Output//

C:\Users\kavin\OneDrive\Desktop\Typing Exercise>java Example

100/-5is-20

100/-4is-25

100/-3is-33

100/-2is-50

100/-1is-100

100/1is100

100/2is50

100/3is33

100/4is25

100/5is20