Access Modifiers And Static Keyword

1. Which of these access specifiers must be used for main() method?

a) private

b) public

c) protected

d) none of the mentioned

Ans- b

2. Which of these is used to access a member of class before object of that class is created?

a) public

b) private

c) static

d) protected

Ans- c

3. Which of these is used as a default for a member of a class if no access specifier is used for it?

a) private

b) public

c) public, within its own package

d) protected

Ans-a

4. What is the process by which we can control what parts of a program can access the members of a class?

a) Polymorphism

b) Abstraction

c) Encapsulation

d) Recursion

Ans- c

5. Which of the following statements are incorrect?

a) public members of class can be accessed by any code in the program

b) private members of class can only be accessed by other members of the class

c) private members of class can be inherited by a subclass, and become protected members in subclass

d) protected members of a class can be inherited by a subclass, and become private members of the subclass

Ans - c

6. What is the output of this program?

class access

{

public int x;

private int y;

void cal(int a, int b)

{

x = a + 1;

y = b;

}

}

public class access\_specifier

{

public static void main(String args[])

{

access obj = new access();

obj.cal(2, 3);

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

}

}

a) 3 3

b) 2 3

c) Runtime Error

d) Compilation Error

Ans - c

7. What is the output of this program?

class access

{

public int x;

private int y;

void cal(int a, int b)

{

x = a + 1;

y = b;

}

void print()

{

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

}

}

public class access\_specifier

{

public static void main(String args[])

{

access obj = new access();

obj.cal(2, 3);

System.out.println(obj.x);

obj.print();

}

}

a) 2 3

b) 3 3

c) Runtime Error

d) Compilation Error

Ans- b

8. What is the output of this program?

class static\_out

{

static int x;

static int y;

void add(int a, int b)

{

x = a + b;

y = x + b;

}

}

public class static\_use

{

public static void main(String args[])

{

static\_out obj1 = new static\_out();

static\_out obj2 = new static\_out();

int a = 2;

obj1.add(a, a + 1);

obj2.add(5, a);

System.out.println(obj1.x + " " + obj2.y);

}

}

a) 7 7.4

b) 6 6.4

c) 7 9

d) 9 7

Ans- c.

9. Which of these access specifier must be used for class so that it can be inherited by another subclass?

a) public

b) private

c) protected

d) none of the mentioned

Ans-a.

Question 10. what is the output of this question?

class Test1 {

public

static void main(String[] args)

{

int x = 20;

System.out.println(x);

}

static

{

int x = 10;

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

}

}

Option

A) 10 20

B) 20 10

C) 10 10

D) 20 20

Ans- a

Question 12. what is the output of this question?

class Test1 {

int x = 10;

public

static void main(String[] args)

{

System.out.println(x);

}

static

{

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

}

}

Option

A) 10 10

B) Error

C) Exception

D) none

Ans- b

Question 13. what is the output of this question?

class Test1 {

int x = 10;

public

static void main(String[] args)

{

Test1 t1 = new Test1();

System.out.println(t1.x);

}

static

{

int x = 20;

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

}

}

Option

A) 10 20

B) 20 10

C) 10 10

D) Error

Ans - b

Question 14. what is the output of this question?

class Test1 {

int x = 10;

public

static void main(String[] args)

{

System.out.println(Test1.x);

}

static

{

int x = 20;

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

}

}

Option

A)10 10

B) 20 20

C) 20 10

D) Error

Ans- d

Question 15. what is the output of this question?

class Test1 {

static int x = 10;

public

static void main(String[] args)

{

Test1 t1 = new Test1();

Test1 t2 = new Test1();

t1.x = 20;

System.out.print(t1.x + " ");

System.out.println(t2.x);

}

}

Option

A) 10 10

B) 20 20

C) 10 20

D) 20 10

Ans- b