**1. Which of the below is invalid identifier with the main method?**

* static
* final
* public
* **private**

**2. 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;**

**}**

**}**

**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);**

**}**

**}**

* **7 9**
* 7 7
* 9 7
* 6 6

**3. What is the output of this program?**

**class overload**

**{**

**int x;**

**double y;**

**void add(int a , int b)**

**{**

**x = a + b;**

**}**

**void add(double c , double d)**

**{**

**y = c + d;**

**}**

**overload()**

**{**

**this.x = 0;**

**this.y = 0;**

**}**

**}**

**class Overload\_methods**

**{**

**public static void main(String args[])**

**{**

**overload obj = new overload();**

**int a = 2;**

**double b = 3.2;**

**obj.add(a, a);**

**obj.add(b, b);**

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

**}**

**}**

* 6.4 6
* 6.4 6.4
* 6 6
* **4 6.4**

**4. 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);**

**}**

**}**

**class access\_specifier**

**{**

**public static void main(String args[])**

**{**

**access obj = new access();**

**obj.cal(2, 3);**

**System.out.println(obj.x);**

**obj.print();**

**}**

**}**

* Compilation Error
* **3 3**
* 2 3
* Runtime Error

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

* public
* **static**
* private
* protected

**6. In the below code, which call to sum() method is appropriate?**

**class Output**

**{**

**public static int sum(int ...x)**

**{**

**return;**

**}**

**static void main(String args[])**

**{**

**sum(10);**

**sum(10,20);**

**sum(10,20,30);**

**sum(10,20,30,40);**

**}**

**}**

* only sum(10,20)
* **all of the mentioned**
* only sum(10) & sum(10,20)
* only sum(10)

**7. What would be behaviour if the constructor has a return type?**

* **Compilation error**
* Only String return type is allowed
* Runtime error
* Compilation and runs successfully

**8. What is the output of this program?**

**class overload**

**{**

**int x;**

**int y;**

**void add(int a)**

**{**

**x = a + 1;**

**}**

**void add(int a , int b)**

**{**

**x = a + 2;**

**}**

**}**

**class Overload\_methods**

**{**

**public static void main(String args[])**

**{**

**overload obj = new overload();**

**int a = 0;**

**obj.add(6, 7);**

**System.out.println(obj.x);**

**}**

**}**

* **8**
* 6
* 7
* 9

**9. What is the output of this program?**

**class Output**

**{**

**public static void main(String args[])**

**{**

**int a = 5;**

**int b = 10;**

**first:**

**{**

**second:**

**{**

**third:**

**{**

**if (a == b >> 1)**

**break second;**

**}**

**System.out.println(a);**

**}**

**System.out.println(b);**

**}**

**}**

**}**

* 10 5
* 5
* 5 10
* **10**

**10. Decrement operator, −−, decreases the value of variable by what number?**

* 4
* 3
* 1
* 2

**11. Which of the following loops will execute the body of loop even when condition controlling the loop is initially false?**

* while
* none of the mentioned
* do-while
* for

**12. What is the output of this program?**

**class increment**

**{**

**public static void main(String args[])**

**{**

**double var1 = 1 + 5;**

**double var2 = var1 / 4;**

**int var3 = 1 + 5;**

**int var4 = var3 / 4;**

**System.out.print(var2 + " " + var4);**

**}**

**}**

* 0 1
* 1.5 1.0
* 1 1
* **1.5 1**

**13. What is the output of this program?**

**class operators**

**{**

**public static void main(String args[])**

**{**

**int x = 8;**

**System.out.println(++x \* 3 + " " + x);**

**}**

**}**

* 24 9
* 27 8
* 27 9
* 24 8

**14. What is the output of this program?**

**class array\_output**

**{**

**public static void main(String args[])**

**{**

**int array\_variable [] = new int[10];**

**for (int i = 0; i < 10; ++i)**

**{**

**array\_variable[i] = i;**

**System.out.print(array\_variable[i] + " ");**

**i++;**

**}**

**}**

**}**

* 0 1 2 3 4 5 6 7 8 9
* 1 2 3 4 5 6 7 8 9 10
* 1 3 5 7 9
* 0 2 4 6 8

**15. What is the output of this program?**

**class evaluate**

**{**

**public static void main(String args[])**

**{**

**int arr[] = new int[] {0 , 1, 2, 3, 4, 5, 6, 7, 8, 9};**

**int n = 6;**

**n = arr[arr[n] / 2];**

**System.out.println(arr[n] / 2);**

**}**

**}**

* 0
* 3
* 1
* 6

**16. What is the output of this program?**

**class array\_output**

**{**

**public static void main(String args[])**

**{**

**int array\_variable[][] = {{ 1, 2, 3}, { 4 , 5, 6}, { 7, 8, 9}};**

**int sum = 0;**

**for (int i = 0; i < 3; ++i)**

**for (int j = 0; j < 3 ; ++j)**

**sum = sum + array\_variable[i][j];**

**System.out.print(sum / 5);**

**}**

**}**

* 11
* 9
* 10
* 8

**17. Which of these jump statements can skip processing the remainder of the code in its body for a particular iteration?**

* continue
* break
* exit
* return

**18. Which of these is correct way of calling a constructor having no parameters, of superclass A by subclass B?**

* superclass.();
* super.A();
* super(void);
* super();

**19. Which of these keywords can be used to prevent inheritance of a class?**

* class
* final
* super
* constant

**20. Which of these is correct way of inheriting class A by class B?**

* class B extends A {}
* class B inherits class A {}
* class B + class A {}
* class B extends class A {}

**21. In order to restrict a variable of a class from inheriting to subclass, how variable should be declared?**

* Protected
* Private
* Public
* Static

**22. What is the output of this program?**

**class A**

**{**

**public int i;**

**public int j;**

**A()**

**{**

**i = 1;**

**j = 2;**

**}**

**}**

**class B extends A**

**{**

**int a;**

**B()**

**{**

**super();**

**}**

**}**

**class super\_use**

**{**

**public static void main(String args[])**

**{**

**B obj = new B();**

**System.out.println(obj.i + " " + obj.j)**

**}**

**}**

* 1 2
* 2 1
* Compilation Error
* Runtime Error

**23. What is the output of this program?**

**class A**

**{**

**public int i;**

**protected int j;**

**}**

**class B extends A**

**{**

**int j;**

**void display()**

**{**

**super.j = 3;**

**System.out.println(i + " " + j);**

**}**

**}**

**class Output**

**{**

**public static void main(String args[])**

**{**

**B obj = new B();**

**obj.i=1;**

**obj.j=2;**

**obj.display();**

**}**

**}**

* 1 3
* 1 2
* 2 1
* 3 1

**24. What is the output of this program?**

**class box**

**{**

**int width;**

**int height;**

**int length;**

**int volume;**

**void volume()**

**{**

**volume = width \* height \* length;**

**}**

**void volume(int x)**

**{**

**volume = x;**

**}**

**}**

**class Output**

**{**

**public static void main(String args[])**

**{**

**box obj = new box();**

**obj.height = 1;**

**obj.length = 5;**

**obj.width = 5;**

**obj.volume(5);**

**System.out.println(obj.volume);**

**}**

**}**

* 5
* 25
* 0
* 26