**Question 1**

class MWC201 {

public static void main(String[] args) {

int[][] a1 = {{1,2,3},{4,5,6},{7,8,9,10}};

System.out.print(a1[0][2]+","+a1[1][0]+","+a1[2][1]);

}}

What is the result of attempting to compile and run the program?

|  |  |
| --- | --- |
| a. | Prints: 3,4,8 |
| b. | Prints: 7,2,6 |
| c. | Compile-time error |
| d. | Run-time error |
| e. | None of the above |

**Question 2**

class MWC202 {

public static void main(String[] args) {

int[] a1[] = {{1,2},{3,4,5},{6,7,8,9}};

int []a2[] = {{1,2},{3,4,5},{6,7,8,9}};

int a3[][] = {{1,2},{3,4,5},{6,7,8,9}};

System.out.print(a1[0][1]+","+a2[1][2]+","+a3[2][3]);

}}

What is the result of attempting to compile and run the program?

|  |  |
| --- | --- |
| a. | Prints: 14 |
| b. | Prints: 16 |
| c. | Prints: 1,5,9 |
| d. | Prints: 2,4,8 |
| e. | Prints: 2,5,9 |
| f. | Compile-time error |
| g. | Run-time error |
| h. | None of the above |

**Question 3**

class MWC207 {

public static void main(String[] args) {

int[][] a1 = {{1;2};{3;4;5};{6;7;8;9}};

System.out.print(a1[0][1]+","+a1[1][2]+","+a1[2][3]);

}}

What is the result of attempting to compile and run the program?

|  |  |
| --- | --- |
| a. | Prints: 14 |
| b. | Prints: 16 |
| c. | Prints: 1,5,9 |
| d. | Prints: 2,4,8 |
| e. | Prints: 2,5,9 |
| f. | Compile-time error |
| g. | Run-time error |
| h. | None of the above |

**Question 4**

class MWC208 {

public static void main(String[] args) {

int[][] a1 = ((1,2),(3,4,5),(6,7,8,9));

System.out.print(a1[0][1]+","+a1[1][2]+","+a1[2][3]);

}}

What is the result of attempting to compile and run the program?

|  |  |
| --- | --- |
| a. | Prints: 14 |
| b. | Prints: 16 |
| c. | Prints: 1,5,9 |
| d. | Prints: 2,4,8 |
| e. | Prints: 2,5,9 |
| f. | Compile-time error |
| g. | Run-time error |
| h. | None of the above |

**Question 5**

class MWC209 {

public static void main(String[] args) {

int[][] a1 = [[1,2],[3,4,5],[6,7,8,9]];

int[][] a2 = [[1,2],[3,4,5],[6,7,8,9]];

int[][] a3 = [[1,2],[3,4,5],[6,7,8,9]];

System.out.print(a1[0][1]+","+a2[1][2]+","+a3[2][3]);

}}

What is the result of attempting to compile and run the program?

|  |  |
| --- | --- |
| a. | Prints: 14 |
| b. | Prints: 16 |
| c. | Prints: 1,5,9 |
| d. | Prints: 2,4,8 |
| e. | Prints: 2,5,9 |
| f. | Compile-time error |
| g. | Run-time error |
| h. | None of the above |

**Question 6**

class MWC210 {

public static void main(String[] args) {

int[] a2 = {1,2}, a3 = {3,4,5}, a4 = {6,7,8,9}; // 1

int[][] a1 = {a2,a3,a4}; // 2

System.out.print(a1[0][1]+","+a1[1][2]+","+a1[2][3]);

}}

What is the result of attempting to compile and run the program?

|  |  |
| --- | --- |
| a. | Prints: 14 |
| b. | Prints: 16 |
| c. | Prints: 1,5,9 |
| d. | Prints: 2,4,8 |
| e. | Prints: 2,5,9 |
| f. | Compile-time error |
| g. | Run-time error |
| h. | None of the above |

**Question 7**

class MWC211 {

public static void main(String[] args) {

int a1[3]; // 1

int []a2[]; // 2

int[ ]a3; // 3

int[] a4[]; // 4

}}

A compile-time error is generated at which line?

|  |  |
| --- | --- |
| a. | 1 |
| b. | 2 |
| c. | 3 |
| d. | 4 |
| e. | None of the above |

**Question 8**

class MWC212 {

public static void main(String[] args) {

int[] a1[],a2[]; // 1

int []a3,[]a4; // 2

int []a5,a6[]; // 3

int[] a7,a8[]; // 4

}}

A compile-time error is generated at which line?

|  |  |
| --- | --- |
| a. | 1 |
| b. | 2 |
| c. | 3 |
| d. | 4 |
| e. | None of the above |

**Question 9**

class MWC203 {

public static void main(String[] args) {

int[] a1[] = {new int[]{1,2},new int[]{3,4,5}};

int []a2[] = new int[][]{{1,2},{3,4,5}};

int a3[][] = {{1,2},new int[]{3,4,5}};

System.out.print(a1[0][1]+","+a2[1][0]+","+a3[1][2]);

}}

What is the result of attempting to compile and run the program?

|  |  |
| --- | --- |
| a. | Prints: 14 |
| b. | Prints: 16 |
| c. | Prints: 1,2,4 |
| d. | Prints: 2,3,4 |
| e. | Prints: 2,3,5 |
| f. | Prints: 2,4,5 |
| g. | Compile-time error |
| h. | Run-time error |
| i. | None of the above |

**Question 10**

class MWC204 {

public static void main(String[] args) {

int[][] a1 = {{1,2},{3,4,5},{6,7,8,9},{}};

System.out.print(a1.length);

}}

What is the result of attempting to compile and run the program?

|  |  |
| --- | --- |
| a. | Prints: 0 |
| b. | Prints: 3 |
| c. | Prints: 4 |
| d. | Prints: 9 |
| e. | Prints: 10 |
| f. | Prints: 11 |
| g. | Compile-time error |
| h. | Run-time error |
| i. | None of the above |

**Question 11**

class MWC205 {

public static void main(String[] args) {

int[][] a1 = {{1,2},{3,4,5},{6,7,8,9},{}};

for (int i = 0; i < a1.length; i++) {

System.out.print(a1[i].length+",");

}}}

What is the result of attempting to compile and run the program?

|  |  |
| --- | --- |
| a. | Prints: 2,3,4,0, |
| b. | Prints: 1,2,5,0, |
| c. | Compile-time error |
| d. | Run-time error |
| e. | None of the above |

**Question 12**

class MWC206 {

public static void main (String[] args) {

int[][] a1 = {{1,2,3},{4,5,6},{7,8,9}};

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

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

System.out.print(a1[j][i]);

}}}}

What is the result of attempting to compile and run the program?

|  |  |
| --- | --- |
| a. | Prints: 123456789 |
| b. | Prints: 147258369 |
| c. | Prints: 321654987 |
| d. | Prints: 369258147 |
| e. | Run-time error |
| f. | Compile-time error |
| g. | None of the above |

**Question 13**

class A11 {public String toString() {return "A11";}}

class A12 {

public static void main(String[] arg) {

A11[] a1 = new A11[1]; // 1

A11[][] a2 = new A11[2][]; // 2

A11[][][] a3 = new A11[3][][]; // 3

a1[0] = new A11(); // 4

a2[0] = a2[1] = a1; // 5

a3[0] = a3[1] = a3[2] = a2; // 6

System.out.print(a3[2][1][0]); // 7

}}

What is the result of attempting to compile and run the program?

|  |  |
| --- | --- |
| a. | Prints: null |
| b. | Prints: A11 |
| c. | Compile-time error at 1. |
| d. | Compile-time error at 2. |
| e. | Compile-time error at 3. |
| f. | Compile-time error at 4. |
| g. | Compile-time error at 5. |
| h. | Compile-time error at 6. |
| i. | Compile-time error at 7. |
| j. | Run-time error |
| k. | None of the above |

**Question 14**

class A13 {}

class A14 {

public static void main(String[] arg) {

A13[] a1 = new A13[1]; // 1

A13[][] a2 = new A13[2][1]; // 2

A13[][][] a3 = new A13[3][3][3]; // 3

System.out.print(a3[2][2][2]); // 4

a1[0] = new A13(); // 5

a2[0] = a2[1] = a1; // 6

a3[0] = a3[1] = a3[2] = a2; // 7

System.out.print(a3[2][2][2]); // 8

}}

What is the result of attempting to compile and run the program?

|  |  |
| --- | --- |
| a. | Prints: null |
| b. | Prints: nullnull |
| c. | Compile-time error at 1. |
| d. | Compile-time error at 2. |
| e. | Compile-time error at 3. |
| f. | Compile-time error at 4. |
| g. | Compile-time error at 5. |
| h. | Compile-time error at 6. |
| i. | Compile-time error at 7. |
| j. | Compile-time error at 8. |
| k. | Run-time error |