

School of Computer Science and Engineering
MCQ for Programming Ability and Logic Building – 1
Java Programming
Practice Set - 1
(26-01-2026 to 07-02-2026)

Question 1

What is the output for the below code ?

```
public class A {  
    int k;  
    boolean istrue;  
    static int p;  
  
    public void printValue() {  
        System.out.print(k);  
        System.out.print(istrue);  
        System.out.print(p);  
    }  
}  
  
public class Test{  
    public static void main(String argv[]){  
        A a = new A();  
        a.printValue();  
    }  
}
```

Options are

- ☒ A.0 false 0 B.0 true 0 C.0 0 0
D. Compile error - static variable must be initialized before use.

Question - 2

What is the output for the below code ?

```
public class Test{  
    int _$;  
    int $7;  
    int do;  
    public static void main(String argv[])  
    {  
        Test test = new Test();  
        test.$7=7;  
        test.do=9;  
        System.out.println(test.$7);  
    }  
}
```

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```
        System.out.println(test.do);  
        System.out.println(test._$);  
    }  
}
```

Options are

- A.7 9 0
- B.7 0 0
- C.Compile error - \$7 is not valid identifier.
- D.Compile error - do is not valid identifier.

Question - 3

What is the output for the below code ?

```
public class Test { //1  
    public static void main(String[] args){ //2  
        int i = 010; //3  
        int j = 07; //4  
        System.out.println(i);  
        //5  
        System.out.println(j);  
        //6  
    } //7  
} //8
```

Options are

- A.8 7
- B.10 7
- C.Compilation fails with an error at line 3
- D.Compilation fails with an error at line 5

Question - 4

What is the output for the below code ?

```
public class Test { //1  
    public static void main(String[] args){ //2  
        byte b = 6; //3  
        b+=8; //4
```

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```
        System.out.println(b); //5
        b = b+7; //6
        System.out.println(b); //7
    } //8
} //9
```

Options are

- A. 14 21
- B. 14 13
- ☒ C. Compilation fails with an error at line 6
- D. Compilation fails with an error at line 4

Question - 5

What is the output for the below code ?

```
public class Test {
    public static void main(String[] args)
    {
        String value = "abc";
        changeValue(value);
        System.out.println(value);
    }
    public static void changeValue(String a)
    {
        a = "xyz";
    }
}
```

Options are

- ☒ A.abc
- B.xyz
- C.Compilation fails
- D.Compilation clean but no output

Question - 6

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You have two class files name Test.class and Test1.class inside javaproject directory.

Test.java source code is :

```
public class Test{  
    public static void main (String[] args)  
    {  
        System.out.println("Hello Test");  
    }  
}
```

Test1.java source code is :

```
public class Test1{  
    public static void main (String[] args)  
    {  
        System.out.println("Hello Test1");  
    }  
}
```

You have issued below commands from command prompt.

```
cd javaproject  
java Test Test1
```

What is the output ?

Options are

- A.Hello Test
- B.Hello Test Hello Test1
- C.Hello Test1
- D.Run fails - class not found

Question - 7

What is the output for the below code ?

```
public class Test {
```

//1

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```
public static void main(String... args) {           //2
    int x =5;                                       //3
    x *= 3 + 7;                                    //4
    System.out.println(x);                         //5
    }                                              //6
}                                                  //7
```

Options are

A.22

☒ B.50

C.10

D.Compilation fails with an error at line 4

Question - 8

What is the output for the below code ?

```
public class Test
{
    public static void main(String... args)
    {
        int a =5 , b=6, c =7;
        System.out.println("Value is "+ b +c);
        System.out.println(a + b +c);
        System.out.println("String "+(b+c));
    }
}
```

Options are

☒ A.Value is 67 18 String 13

B.Value is 13 18 String 13

C.Value is 13 18 String

D.Compilation fails

Question 9

A byte can be of what size

☒ A. -128 to 127

B. (-2 power 8)-1 to 2 power 8

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C. -255 to 256

D. depends on the particular implementation of the Java Virtual machine

Question 10

What will be printed out if this code is run with the following command line?

java myprog good morning

```
public class myprog  
{  
    public static void main(String argv[])  
    {  
        System.out.println(argv[2])  
    }  
}
```

A. myprog

B. good

C. morning

☒ D. Exception raised: "java.lang.ArrayIndexOutOfBoundsException: 2"

Question 11

Which of the following are legal identifiers

A. 2variable

☒ B. variable2

☒ C. _whatavariabale

☒ D. _3_

☒ E. \$anothervar

F. #myvar

Question 12

What will happen when you compile and run the following code?

```
public class MyClass{  
    static int i;  
    public static void main(String argv[])
```

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```
        {  
            System.out.println(i);  
        }  
    }
```

- A. Error Variable i may not have been initialized
- B. null
- C. 1
- ☒ D. 0

Question 13

What will happen if you try to compile and run the following code?

```
public class Q  
{  
    public static void main(String argv[])  
    {  
        int anar[]=new int[]{1,2,3};  
        System.out.println(anar[1]);  
    }  
}
```

- A. 1
- B. Error anar is referenced before it is initialized
- ☒ C. 2
- D. Error: size of array must be defined

Question 14

What will happen if you try to compile and run the following code?

```
public class Q  
{  
    public static void main(String argv[])  
    {  
        int anar[]=new int[5];  
        System.out.println(anar[0]);  
    }  
}
```

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- A. Error: anar is referenced before it is initialized
- B. null
- ☒ C. 0
- D. 5

Question 15

What will be printed out if you attempt to compile and run the following code ?

```
int i=1;
switch (i)
{
    case 0:
        System.out.println("zero");
        break;
    case 1:
        System.out.println("one");
    case 2:
        System.out.println("two");
    default:
        System.out.println("default");
}
```

- A. one
- B. one, default
- ☒ C. one, two, default
- D. default

Question 16

What will be printed out if you attempt to compile and run the following code?

```
int i=9;
switch (i)
{
    default:
        System.out.println("default");
}
```


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```
case 0:  
System.out.println("zero");  
break;  
case 1:  
System.out.println("one");  
case 2:  
System.out.println("two");  
}
```

- A. default
- B. default, zero
- C. error default clause not defined
- ☒ D. no output displayed

Question 17

Which of the following lines of code will compile without error

1)

```
int i=0;  
if(i)  
{  
    System.out.println("Hello");  
}
```

☒ 2)

```
boolean b=true;  
boolean b2=true;  
if(b==b2)  
{  
    System.out.println("So true");  
}
```

☒ 3)

```
int i=1;  
int j=2;  
if(i==1 || j==2)  
    System.out.println("OK");
```

☒ 4)

```
int i=1;
```

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```
int j=2;  
if(i==1 &| j==2)  
    System.out.println("OK");
```

Question 18

Given the following declarations

```
String s1=new String("Hello")  
String s2=new String("there");  
String s3=new String();
```

Which of the following are legal operations?

- ☒ A. s3=s1 + s2;
- ☐ B. s3=s1-s2;
- ☐ C. s3=s1 & s2
- ☐ D. s3=s1 && s2

Question 19

What is the result of the following operation?

```
System.out.println(4 | 3);
```

- ☐ A. 6
- ☐ B. 0
- ☐ C. 1
- ☒ D. 7

Question 20

```
public class MyClass1  
{  
    public static void main(String argv[]){ }  
    /*Modifier at XX */ class MyInner {  
    }  
}
```

What modifiers would be legal at XX in the above code?

- ☒ A. public
- ☒ B. private

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- ☒ C. static
- D. friend

Question 21

What will happen when you attempt to compile and run this code?

```
public class MyMain
{
    public static void main(String argv)
    {
        System.out.println("Hello cruel world");
    }
}
```

- A. The compiler will complain that main is a reserved word and cannot be used for a class
- B. The code will compile and when run will print out "Hello cruel world"
- C. The code will compile but will complain at run time that no constructor is defined
- ☒ D. The code will compile but will complain at run time that main is not correctly defined

Question 22

You want to find out the value of the last element of an array. You write the following code. What will happen when you compile and run it.?

```
public class MyAr{ public static void main(String argv[]){ int[] i = new int[5];
System.out.println(i[5]); } }
```

- A. An error at compile time
- ☒ B. An error at run time
- C. The value 0 will be output
- D. The string "null" will be output

Question 23

What will happen when you attempt to compile and run the following code

```
public class As
```

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```
{
    int i = 10;
    int j;
    char z= 1;
    boolean b;
    public static void main(String argv[])
    {
        As a = new As();
        a.amethod();
    }
    public void amethod()
    {
        System.out.println(j);
        System.out.println(b);
    }
}
```

- ☒ A. Compilation succeeds and at run time an output of 0 and false
- ☐ B. Compilation succeeds and at run time an output of 0 and true
- ☐ C. Compile time error b is not initialised
- ☐ D. Compile time error z must be assigned a char value

Question 24

Which of the following will compile correctly?

- ☒ A. short myshort = 99S;
- ☐ B. String name = 'Excellent tutorial Mr Green';
- ☐ C. char c = 17c;
- ☒ D. int z = 015;

Question 25

Which of the following are Java key words?

- ☒ A. double
- ☐ B. Switch
- ☐ C. then
- ☒ D. instanceof

Question 26

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Given the following variables which of the following lines will compile without error?

```
String s = "Hello";  
long l = 99;  
double d = 1.11;  
int i = 1;  
int j = 0;
```

- A. `j = i << s;`
- ☒ B. `j = i << j;`
- C. `j = i << d;`
- D. `j = i << l;`

Question 27

Given the following variables

```
char c = 'c';  
int i = 10;  
double d = 10;  
long l = 1;  
String s = "Hello";
```

Which of the following will compile without error?

- A. `c=c+i;`
- ☒ B. `s+=i;`
- C. `i+=s;`
- D. `c+=s;`

Question 28

Which of the following are valid statements?

- ☒ A. `System.out.println(1+1);`
- ☒ B. `int i=2+'2';`
- C. `String s="on"+"one";`
- D. `byte b=255;`

Question 29

Which of the following statements are true?

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- ☒ A. A byte can represent between -128 to 127
- B. A byte can represent between -127 to 128
- C. A byte can represent between -256 to 256
- D. A char can represent between $-2 \times 2^{\text{pow } 16}$ to $2 \times 2^{\text{pow } 16} - 1$

Question 30

Which of the following will compile without error?

- ☒ 1)
 char c='1';
 System.out.println(c>>1);
- 2)
 Integer i=Integer("1");
 System.out.println(i>>1);
- 3)
 int i=1;
 System.out.println(i<<<1);
- ☒ 4)
 int i=1;
 System.out.println(i<<1);