

# Object Arrays Test 1

1. What is output by the following code segment?

```
String[] list = {"red","white","blue"};  
System.out.println(list[1].substring(0,1));
```

- A) r
- B) w
- C) b
- D) nothing is printed due to syntax error

2. What is output by the following code segment?

```
String[] array = {"red","white","blue"};  
  
int num = 0;  
for (int i = 0; i < array.length; i++)  
{  
    num += array[i].length();  
}  
System.out.println(num);
```

- A) 0
- B) 12
- C) 3
- D) 5

```

public class Movie
{
    private String name;
    private String genre;

    public Movie(String n, String g) {
        name = n;
        genre = g;
    }

    public String getName() {
        return name;
    }

    public String getGenre() {
        return genre;
    }

    public void setName(String n) {
        name = n;
    }

    public void setGenre(String g) {
        genre = g;
    }
}

```

3. Look at the following array declaration:

```
Movie[] myMovies = new Movie[50];
```

Which of the following correctly assigns a Movie object to the array myMovies?

- A) `myMovies[numMovies] = "Star Wars" + "SCI-FI";`
- B) `Movie movie = new Movie("Star Wars", "SCI-FI");`  
`myMovies[numMovies] = movie;`
- C) `myMovies[numMovies] = new Movie("Star Wars", "SCI-FI");`
- D) both B and C

4. Look at the following code.

```
Movie[] movies = new Movie[3];
Movie[0] = new Movie("Forest Gump", "drama");
Movie[1] = new Movie("True Grit", "western");
Movie[2] = new Movie("Die Hard", "action");
```

Which of the following correctly displays the name of each movie in the array `movies`?

- A) 

```
for (int k = 0; k < movies.length; k++)
    System.out.println(movies[k]);
```
  - B) 

```
for (int k = 0; k < movies.length; k++)
    System.out.println(movies[k].getName());
```
  - C) 

```
System.out.println(movies);
```
  - D) 

```
for (int k = 0; k < movies.length; k++)
    System.out.println(movies);
```
5. The following method searches the `movies` array for a particular movie name. If the movie is found it changes its genre to the one specified in its parameter list.

```
public void search(String name, String genre) {
    for (int k = 0; k < movies.length; k++)
    {
        <*Expression 1*>
        if (movie.getName().equals(name))
            <*Expression 2*>
    }
}
```

Which of the following replaces `<*Expression 1*>` and `<*Expression 2*>` so that the method works as intended.

`<*Expression 1*>`

`<*Expression 2*>`

- |  |  |
|--|--|
| A) <code>Movie movie = movies[k];</code> | <code>movie.setGenre(genre);</code>    |
| B) <code>Movie movie = movies;</code>    | <code>movie.setGenre(genre);</code>    |
| C) <code>Movie movie = movies[k];</code> | <code>movies[k] = genre;</code>        |
| D) <code>Movie movie = movies;</code>    | <code>movie.getGenre() = genre;</code> |