Object Arrays Test

1. What is output by the following code segment?

String[] list = {"red","white","blue");

System.out.println(list[1].substring(0,1));

1. r
2. w
3. b
4. nothing is printed due to syntax error
5. 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);

1. 0
2. 12
3. 3
4. 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;  
 }  
}

1. Look at the following array declaration:  
     
    Movie[] myMovies = new Movie[50];

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

1. myMovies[numMovies] = "Star Wars" + "SCI-FI";
2. Movie movie = new Movie("Star Wars", "SCI-FI");  
   myMovies[numMovies] = movie;
3. myMovies[numMovies] = new Movie("Star Wars", "SCI-FI");
4. both B and C
5. 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?

1. for (int k = 0; k < movies.length; k++)  
    System.out.println(movies[k]);
2. for (int k = 0; k < movies.length; k++)  
    System.out.println(movies[k].getName());
3. System.out.println(movies);
4. 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\*>

1. Movie movie = movies[k]; movie.setGenre(genre);
2. Movie movie = movies; movie.setGenre(genre);
3. Movie movie = movies[k]; movies[k] = genre;
4. Movie movie = movies; movie.getGenre() = genre;