

1 Strings

1. What is the value of **result** when the following code is executed?

```
1 String str = "Aloha";  
2 int result = str.length();
```

2. What is the value of **result** when the following code is executed?

```
1 String str = "Hola ,_amigo!";  
2 char result = str.charAt(4);
```

3. What is the value of **result** when the following code is executed?

```
1 String str = "Hola ,_amigo!";  
2 int result = str.indexOf('a');
```

4. What is the value of **result** when the following code is executed?

```
1 String str = "Hola ,_amigo!";  
2 int result = str.indexOf('A');
```

5. What is the value of **result** when the following code is executed?

```
1 String str = "Hola ,_amigo!";  
2 String result = str.substring(7, 10);
```

6. What is the value of **result** when the following code is executed?

```
1 String str = "Yes_minister";  
2 String result = 'S' + str.substring(5);
```

7. What is the value of **result** when the following code is executed?

```
1 String str = "She_sells_sea_shells_on_the_sea_shore";  
2 int result = 0;  
3 for(int i = 0; i < str.length(); i++) {  
4     char ch = str.charAt(i);  
5     if(ch == 's') {  
6         result++;  
7     }  
8 }
```

8. Assuming String **str** contains at least one character, write a piece of code that assigns to an integer variable **result**, the number of digits in the String **str**. The expression to check whether a character **ch** is a digit or not is as follows,

```
1 boolean isDigit = false;  
2 if(ch >= '0' && ch <= '9') {  
3     isDigit = true;  
4 }
```

9. Assuming String **str** contains at least one character, write a piece of code that assigns to an integer variable **result**,
- **true**, if **str** contains any spaces.
 - **false**, otherwise
10. Assuming String **str** contains at least one character, write a piece of code that assigns to an integer variable **result**,
- **true**, if **str** contains **only** spaces.
 - **false**, otherwise