1. Write a program to reverse the String (use char[] or String built in method)

```
class Reverse {
	public static void main(String[] args) {
		String input = "Java programming";

		StringBuilder input1 = new StringBuilder();

		input1.append(input);

		input1.reverse();

		System.out.println(input1);
	}
}
```

**Output:**

```
gnimmargorp avaJ
```

2. Write programs to depict the usage of contains(), length(), replace(), concat(), equals()

```java
class StringMethods {

  public static void main(String[] args) {

    String str1 = "Cricket";

    String str2 = "Football";


    System.out.println(str1.length());

    System.out.println(str1.concat(str2));


    System.out.println(str1.replace('k', 'c'));

    System.out.println(str1.contains("Cri"));

    boolean result = str1.equals(str2);


    System.out.println(result);

  }

}
```

**Output:**

```
7
CricketFootball
Criccet
true
false
```

3. Write a customized Exception class for a Banking project

**InvalidAccountNumberException.java**

```
package com.bank;


public class InvalidAccountNumberException extends Exception {

 public InvalidAccountNumberException(String message) {

        super(message);

 }

}
```

**BankAccountManager.java**

```
package com.bank;


class BankAccountManager {

    public BankAccount find(String accountNumber) throws
InvalidAccountNumberException{

        if(accountNumber.equals("123456789")) {

            return new BankAccount();

        }

        else {

            throw new InvalidAccountNumberException(" Bank AccountNumber is not
found :- "

                                                    + accountNumber);

        }

    }

}
```

**BankAccountTest.java**

```
package com.bank;
```

```
class BankAccount{
    public String accountNumber;
}
public class BankAccountTest {
    public static void main(String args[]) {
    BankAccountManager obj = new BankAccountManager();
    try {
        BankAccount bankAccount = obj.find("08041989");
    }
    catch(InvalidAccountNumberException ex) {
        System.out.println(ex);
    }
  }
      }
```

**Output:**

```
com.bank.InvalidAccountNumberException:  Bank AccountNumber is not found :- 08041989
```