Date: 24-03-23

Experiment - 2.1

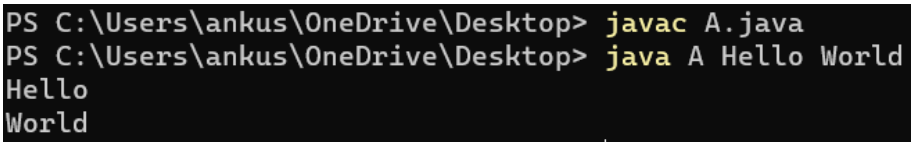
Aim:

Write a program to accept a string as a command-line argument and print a welcome message "Hello World".

Code:

```
public class A{
	public static void main(String args[]){
		for(int i=0; i<args.length; i++){
			System.out.println(args[i]);
		}
	}
}
```

Output:



Date: 24-03-23

Experiment - 2.2

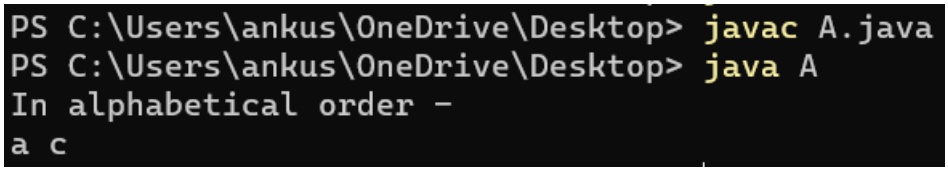
Aim:

Initialize two character variables in a program and display the characters in alphabetical order.

Code:

```
public class A{
	public static void main(String args[]){
		char a = 'c';
		char b = 'a';
		int asciiA = a - 0;
		int asciiB = b - 0;
		System.out.println("In alphabetical order - ");
		if(asciiA<asciiB){
			System.out.println(a + " " + b);
		} else{
			System.out.println(b + " " + a);
		}
	}
}
```

Output:



Date: 24-03-23

Experiment - 2.3

Aim:

Write a program to print even numbers between 23 to 57.

Code:

```
public class A{
	public static void main(String args[]){
		System.out.println("Even no.s between 23 to 57 are -");
		for(int i=24; i<57;i++){
			if(i%2==0){
				System.out.println(i);
			}
		}
	}
}
```

Output:

```
PS C:\Users\ankus\OneDrive\Desktop> javac A.java
PS C:\Users\ankus\OneDrive\Desktop> java A
Even no.s between 23 to 57 are -
24
26
28
30
32
34
36
38
40
42
44
46
48
50
52
54
56
```

Date: 24-03-23

Experiment - 2.4

Aim:

Write a program to find if the given no. is palindrome or not.

Code:

```
import java.util.Scanner;
public class A{
	public static void main(String args[]){
		 int num, reversedNum = 0, remainder;
		Scanner sc = new Scanner(System.in);
		System.out.println("Enter a number to check palindrome - ");
		num = sc.nextInt();
		int originalNum = num;
		while (num != 0) {
			remainder = num % 10;
			reversedNum = reversedNum * 10 + remainder;
			num /= 10;
		}
		if (originalNum == reversedNum) {
			System.out.println(originalNum + " is Palindrome.");
		} else {
			System.out.println(originalNum + " is not Palindrome.");
		}
	}
}
```

Output: