

Java Assignment - 2

Q1 Count Word frequencies -

⇒ Public class Main

{

Public static ^{void} Word-Count (String str)

{

Map<String, Integer> M1 = new
HashMap();

String [] arr = str.split ("\\s+");

for (String i : arr)

{

M1.put (i, M1.getOrDefault (i, 0) + 1)

}

for (C^{map} ~~map~~ Entry<String, Integer>

entry : M1.entrySet ())

{

System.out.print (entry.getKey ()
+ " : " + entry.getValue ());

}

```
public static void main (String args[])
```

```
{
```

```
String str = "Java programming";
```

```
Main.Word-Count (str);
```

```
}
```

```
}
```

2) Palindrome

⇒ Public class Main {

^{void}
 public static ^{void} check (String str)

 {
 int left = 0;
 int right = str.length() - 1;
 int flag = 0;
 while (left < right)

 {
 if (str.charAt(left) !=
 str.charAt(right))

 {
 flag = 1;
 break;
 }

 left++;
 right--;

 }

 if (flag == 1)

 {
 System.out.print (" Not a
 palindrome ");

 }
 else {
 System.out.print (" Palindrome ");

}

Public static void main (String
args [])

{

String str = "Madam";

Main2.check (str);

String str2 = "Java";

Main2.check (str2);

}

}

3). List Manipulation

```
Public class Main3
```

```
{
```

```
    Public static void list (ArrayList<Integer>  
                                arr)
```

```
{
```

```
    for (Integer i : arr)
```

```
{
```

```
        System.out.print ("Square of " +  
                            i + " : " + i * i);
```

```
    }
```

```
}
```

```
public static void main (String  
                        args [])
```

```
{
```


```
    ArrayList<Integer> arr = new  
        ArrayList<>();
```


arr.add(5);

arr.add(10);

arr.add(100);

arr.add(20);

list(arr);

3

3