Code:

```java
public class a1_Assignment {
public static void main(String[] args) {
String str = "Hello World";
int len = str.length();
char[] str1 = new char[len];
char[] str2 = new char[len];
for (int i = 0; i < len; i++) {
str1[i] = (char) (str.charAt(i) & 127);
str2[i] = (char) (str.charAt(i) ^ 127);
}
System.out.println("AND operation: " + new String(str1));
System.out.println("XOR operation: " + new String(str2));
}
}
```

Output :

AND operation: Hello World

XOR operation: 7_(