### 1) Write the output for the following code:

```java
int a = 0;
int b = 8;
while (a <= b)
{
    System.out.println(a+b);
    a = a + 1;
    b = b - 1;
}
System.out.println("end");
```

**Output:**

### 2) Write the output of this code:

```java
int a = 4;
int b = 12;
do
{
    System.out.println(a+,"+b);
    a = a + 1;
    b = b - 1;
} while (a <= b);
System.out.println("end");
```

**Output:**

### 3) Write the output of this code:

```java
int x = 2;
int y = 6;
int result = 1;
while (y-- > 0)
{
    result = result * x;
    System.out.println("y: "+ y + ", result: " + result);
}
System.out.println("end");
```

**Output:**
4) Write a for loop that prints all the characters in a String variable named str except the last one, one per line, with all letters in uppercase.

5) Write a while loop that does the same thing as asked in the previous question.

6) Write a for loop that prints the integers -10000, -15000, -20000, -25000, and -30000 on separate lines.

7) Create a Scanner and write a do while loop that prompts the user to “Enter a command: “ and loops until the user types “exit” in any combination of upper or lowercase letters.