1. What gets printed by the following program? Please show output as it will appear, or indicate “NO OUTPUT”, or “INFINITE LOOP.”

```java
int a = 6;
while (a < 8)
{
    a++;
    System.out.println(a);
}
```

```
Infinite Loop
```

```java
int a = 6;
while (a > 0)
{
    System.out.println(a);
    a = a - 2;
}
```

```
6 4 2
```

```java
int a = 6;
while (a < 7)
{
    System.out.println (2 * a);
    a++;
}
```

```
12
```
1. What gets printed by the following program? Please show output as it will appear, or indicate “NO OUTPUT”, or “INFINITE LOOP.”

```
int a = 5;
while (a < 8)
{
    System.out.println(a);
    a++;  
}
```

```
int a = 5;
while (a > 0)
{
    System.out.println(a);
    a = a - 2;
}
```

```
int a = 5;
while (a < 5)
{
    System.out.println (a);
    a++;
}
```

```
int a = 5;
while (a < 8)
{
    System.out.println(a);
    a--;  
}
```

6 7 8
5 3 1
No Output
infinite loop