

1. The following code produces a number of distinct of states . Show the values stored in each variable for each state (including the starting state):

```
int x = 3;
int y = x;
int z = x + y;
if (x > y){
    x = x + 1;
}
else{
    printf("%d", &x+1)
}
```

2. Why is the imperative paradigm called "imperative"?