

# Computer Science 12 AP

## Recursion Practice

```
public void stuff1(int x){
    System.out.println(x);
    x=x+2;
    if (x<11)
        stuff1(x);
}
```

```
public void stuff2(int x){
    x=x+2;
    if (x<11)
        stuff2(x);
    System.out.println(x);
}
```

```
public int stuff3(int x){
    if (x>4)
        return(0);
    return( x + stuff3(x+1) );
}
```

```
public int runme1(int x){
    System.out.println(x);
    if (x==1)
        return(1);
    return( x * runme1(x-1) );
}
```

```
public int runme2(int x){
    System.out.println(x);
    if (x==0)
        return(0);
    else
        return( x + runme2(x-1) );
}
```

```
public void runme3(int num){
    System.out.print(num);
    if (num !=0)
        runme3(num-1);
    System.out.print(num);
}
```

Questions: stuff1(3) , stuff2(3), stuff3(0)  
runme(5), runme(5), runme(5)