

- OOP
- Major
- Abstraction
 - encapsulation
 - modularity
 - hirerachy
- Minor
- polymorphism
 - concurrency
 - persistance

CommandLine Compilation

```
Program.java
class Program{
public static void main(String args[]){

}
}
```

```
javac Program.java
javac -d ../bin Program.java
```

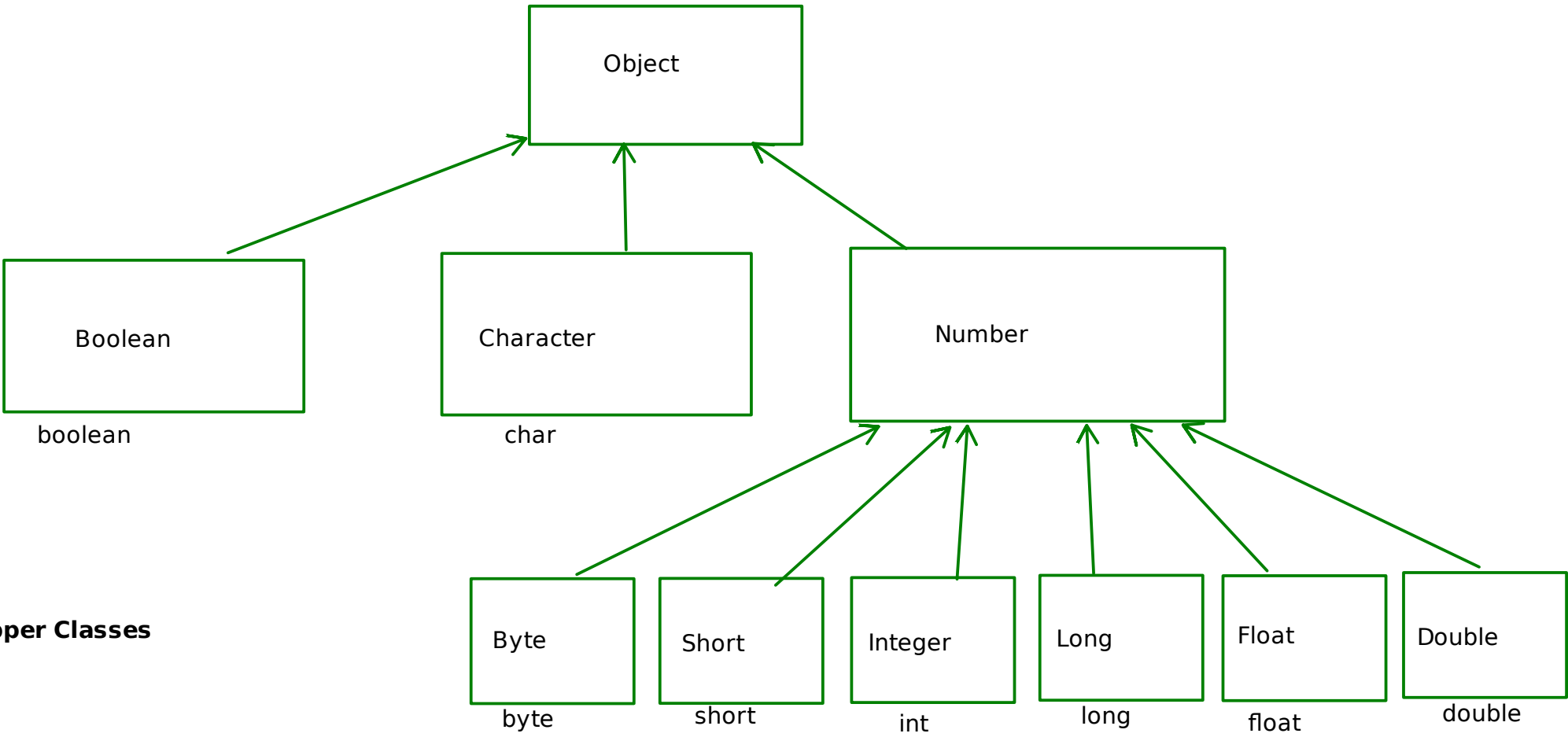
```
java Program
```

```
export CLASSPATH=../bin
java Program
```

Console

```
java.io
System.console()

Scanner
java.util
new Scanner(System.in)
```



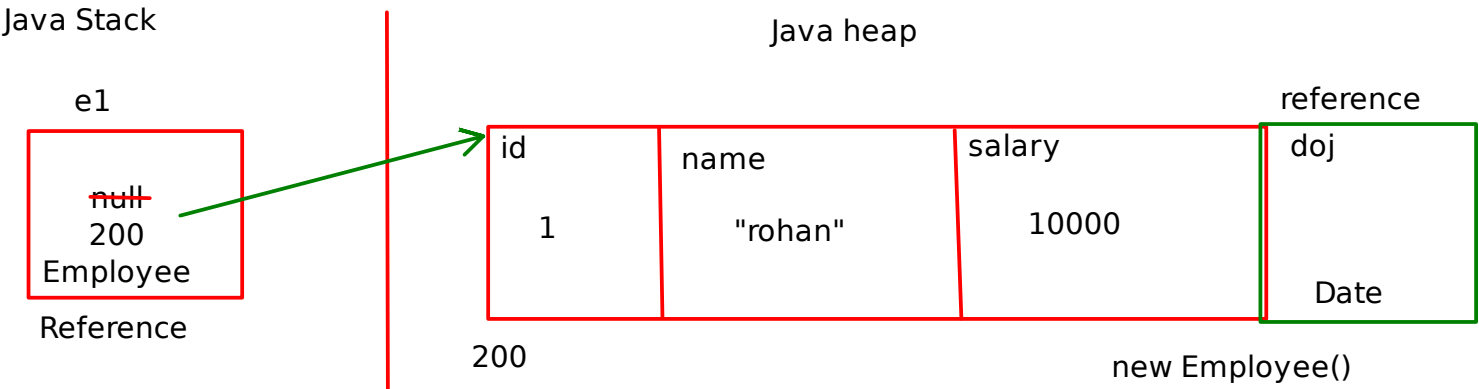
Wrapper Classes

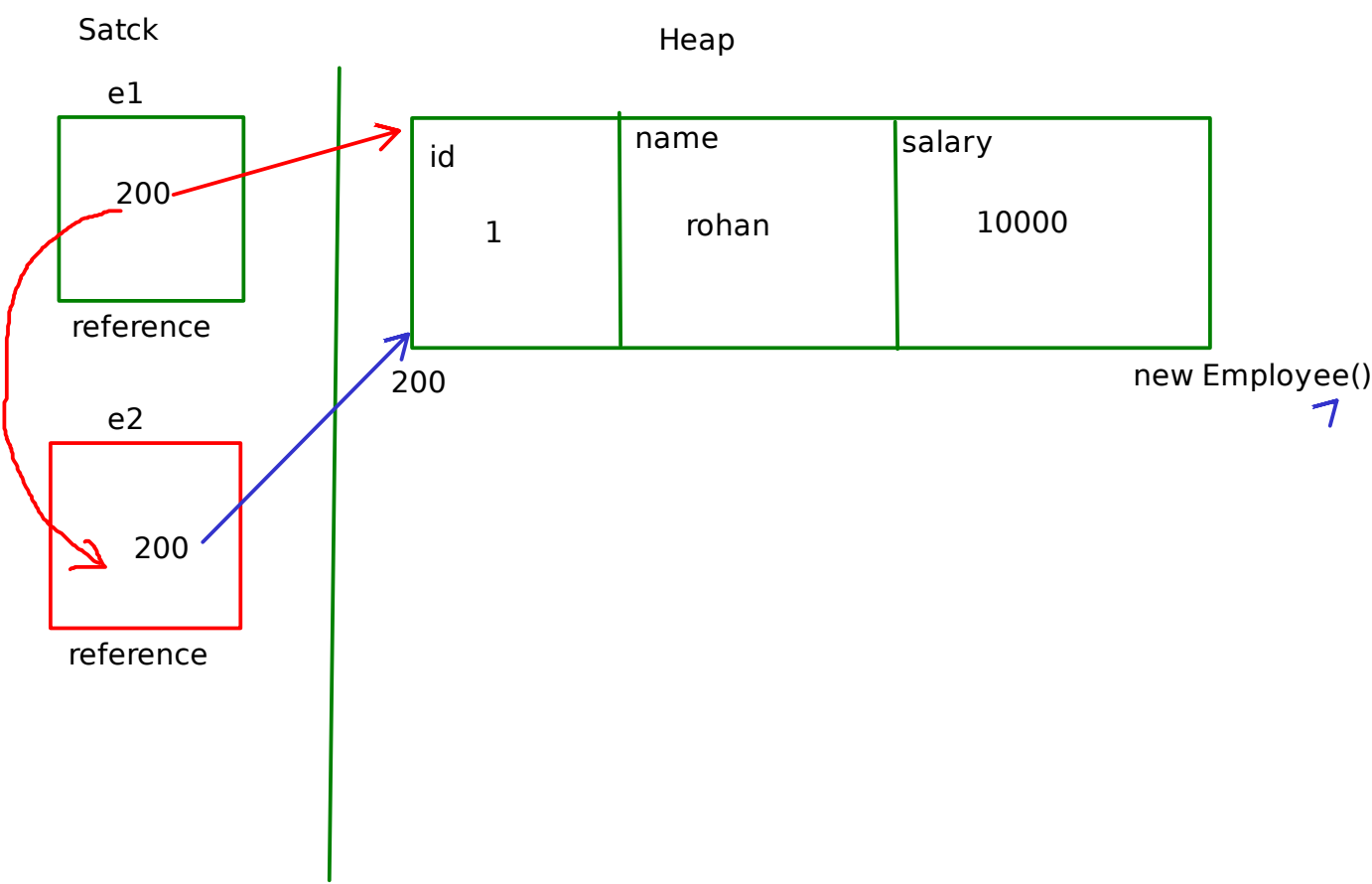
```
class Date{
int day;
int month;
int year;
}

class Employee{
int id;
String name;
double salary;
Date doj;

void accept(){
}
void display(){
}
}
```

```
main(){
Employee e1; // reference
e1. accept(); // NullPointerException
e1 = new Employee();
}
```





```
Employee e1 = new Employee();  
Employee e2 = e1;
```