

Name → Abhinav Singh Negi

Course → MCA 2A

Roll no → 2001005

Subject → Object Oriented Analysis and Java Programming

Subject Code → TMC-202

```
abstract class Person {
```

```
    String person-name;
```

```
    int main Id;
```

```
    public Person(String person-name, int id) {
```

```
        this.person-name = person-name;
```

```
        this.id = id;
```

```
    }
```

```
    abstract void setDetails(String name, int id, double  
        salary, int joining-year);
```

```
}
```

```
class InvalidId extends Exception {
```

```
}
```

```
class InvalidSalary extends Exception {
```

```
}
```

```
class InvalidJoin extends Exception {
```

```
}
```



```
class Employee extends Person {
```

```
    double salary;
```

```
    int joining-year;
```

```
    Employee(double salary, int joining-year) {  
        super(null, 0);
```

```
        this.salary = salary;
```

```
        this.joining-year = joining-year;
```

```
    }
```

```
    void setDetails(String name, int id, int joining-year)
```

```
    {
```

```
        try {
```

```
            if (id < 0 || id == -1) {
```

```
                throw new InvalidId();
```

```
            } else {
```

```
                this.id = id;
```

```
            }
```

```
        } catch (InvalidId e) {
```

```
            System.out.println("Invalid Id");
```

```
        }
```

```
    }
```

```
}
```

```
public class EmployeeMain {
```

```
    public static void main(String[] args) {
```

```
        Employee empl = new Employee(2000, 12, 21);
```

```
        empl.setDetails("AB", 0, 2000, 12, 23);
```

```
    }
```

```
}
```