Inheritance: Concept Challenge

Concept Challenge

- **Pause** Try to solve the problem yourself

- **Discuss** with other learners (if you can)

- **Watch** the UCSD learners video

- **Confirm** your understanding with our explanation

```java
public class Person {
 private String name;
 public String getName() {return name;}
}
```

```java
public class Student extends Person {
  private int id;
  public int getID() {return id;}
}
```

```java
public class Faculty extends Person {
  private String id;
  public String getID() {return id;}
}
```

```java
Student s = new Student();
Person p = new Person();
Person q = new Person();
Faculty f = new Faculty();
Object o = new Faculty();
```

Which of the following lines of code, when executed in sequence, will cause an error?

```java
String n = s.getName();
p = s;
int m = p.getID();
f = q;
o = s;
```

Start IVQ

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public class Person {
 private String name;
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End IVQ / Start Discussion

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