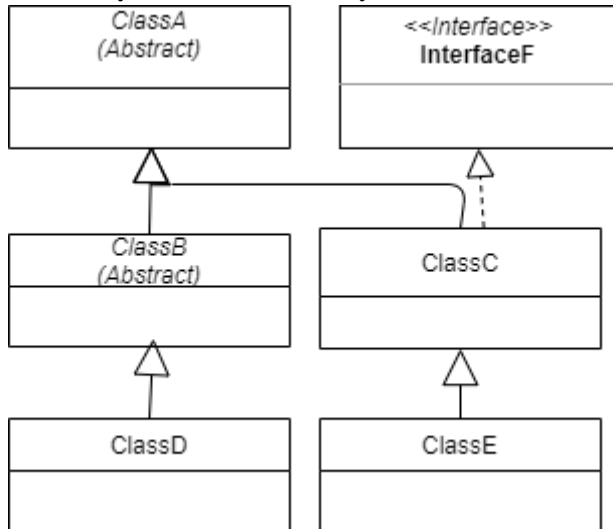


Name/Surname: _____

Student Number: **SOLUTIONS**

(5 points each) Given the following UML diagram, answer the questions below. Assume we did not define any constructors for any of the items shown.



1. Which of the above can have abstract methods?

☒ ClassA☒ ClassB☐ ClassC☐ ClassD☐ ClassE☒ InterfaceF☐ None

2. Which of the above can have non-abstract methods?

☒ ClassA☒ ClassB☒ ClassC☒ ClassD☒ ClassE☒ InterfaceF☐ None

3. Which of the above can have the following constructor?

```
public _____() {
    super();
}
```

☒ ClassA☒ ClassB☒ ClassC☒ ClassD☒ ClassE☐ InterfaceF☐ None

4. Which of the above can be used in the following line?

```
_____ myObject = new _____();
```

☐ ClassA☐ ClassB☒ ClassC☒ ClassD☒ ClassE☐ InterfaceF☐ None

5. Which of the above can be used in the following line?

```
Object myObject = new _____();
```

☐ ClassA☐ ClassB☒ ClassC☒ ClassD☒ ClassE☐ InterfaceF☐ None

6. Which of the above can be used in the following line?

```
_____ myObject = new Object();
```

☐ ClassA☐ ClassB☐ ClassC☐ ClassD☐ ClassE☐ InterfaceF☒ None

7. Which of the above can be used in the following line?

_____ myObject = new ClassD();

ClassA

ClassB

ClassC

ClassD

ClassE

InterfaceF

None

8. Which of the above can be used in the following line?

_____ myObject = new ClassE();

ClassA

ClassB

ClassC

ClassD

ClassE

InterfaceF

None

9. Which of the above can be used in the following line?

_____ myObject = new ClassB();

ClassA

ClassB

ClassC

ClassD

ClassE

InterfaceF

None

10. Which of the above can be used in the following line?

_____[] myArray = new _____[10];

ClassA

ClassB

ClassC

ClassD

ClassE

InterfaceF

None