Short Concept Exercises

EBU4201 Teaching Week 3: 2018/19

Complete the sentences in relation to the code given

```java
public ___(1)___ ShortConcept {
   int a = 20;
   int b = 30;
   void concept1();
}
```

```java
public class ShortExample
      ___(2)___ ShortConcept {
   public void concept1() {
      a = 1;
      int sum = a + b;
      System.out.println("Sum is " + sum);
   }
}
```

If **(1)** is **class**, then compiling **ShortConcept** will generate a compiler error because _____A_____. This error can be prevented by adding the keyword ____B____ in front of **class** and in front of **void concept1();**. In this case, **(2)** should be the keyword ____C____. **ShortExample** would then compile and the method **concept1()** would produce a value of ____D____.

If **(1)** is **interface**, then compiling **ShortConcept** will not generate any errors. In this case, **(2)** should be the keyword ____E____. However, **ShortExample** would generate a compiler error because ____F____.