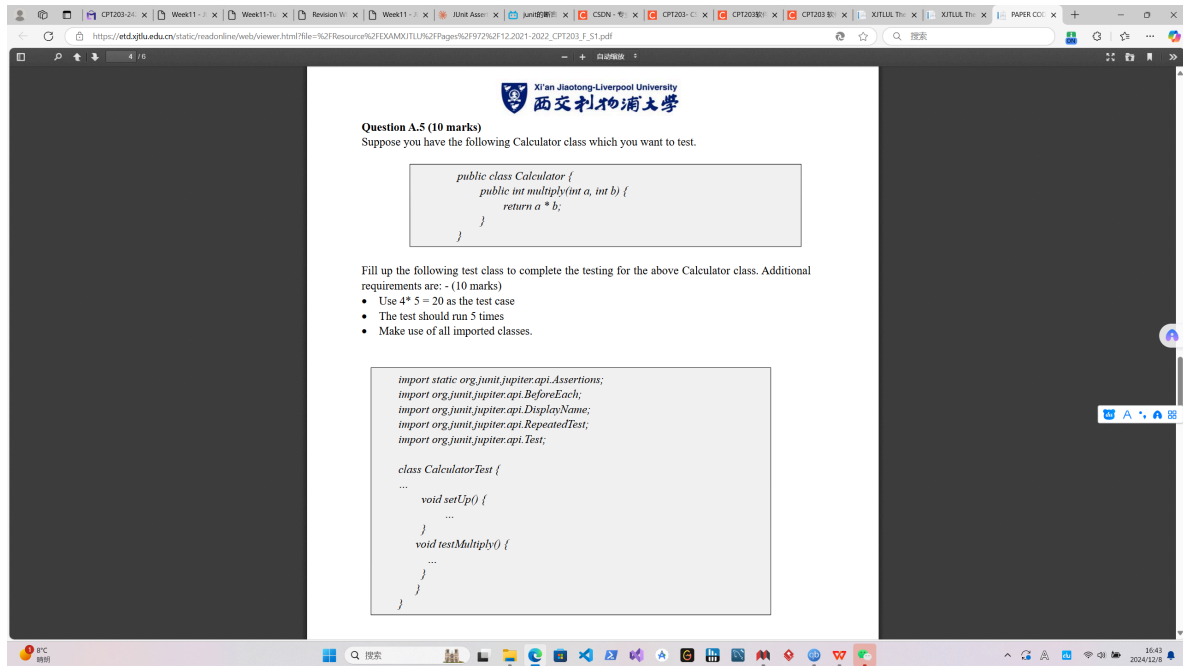
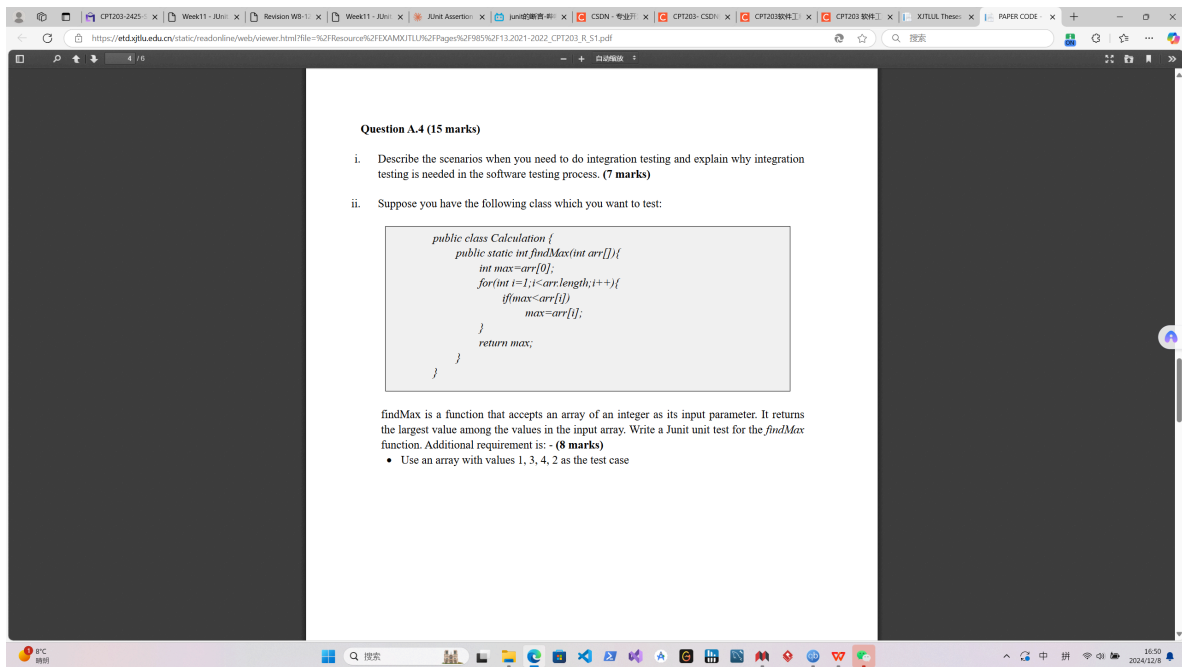


week11_Junit_testing



```
Calculator calculator = new Calculator()  
  
@repeatedtest(5)  
  
void testMultiply{  
  
    assertEquals(  
  
    20, calculator.multiply(4,5),'The simple multip can work'  
  
    )  
  
}
```



QA: Integration testing is always used when we finish the basic unit testing, and the reason can be list as follows:

- 1, avoid conflict between classes
- 2, make sure each classes could co-work with others

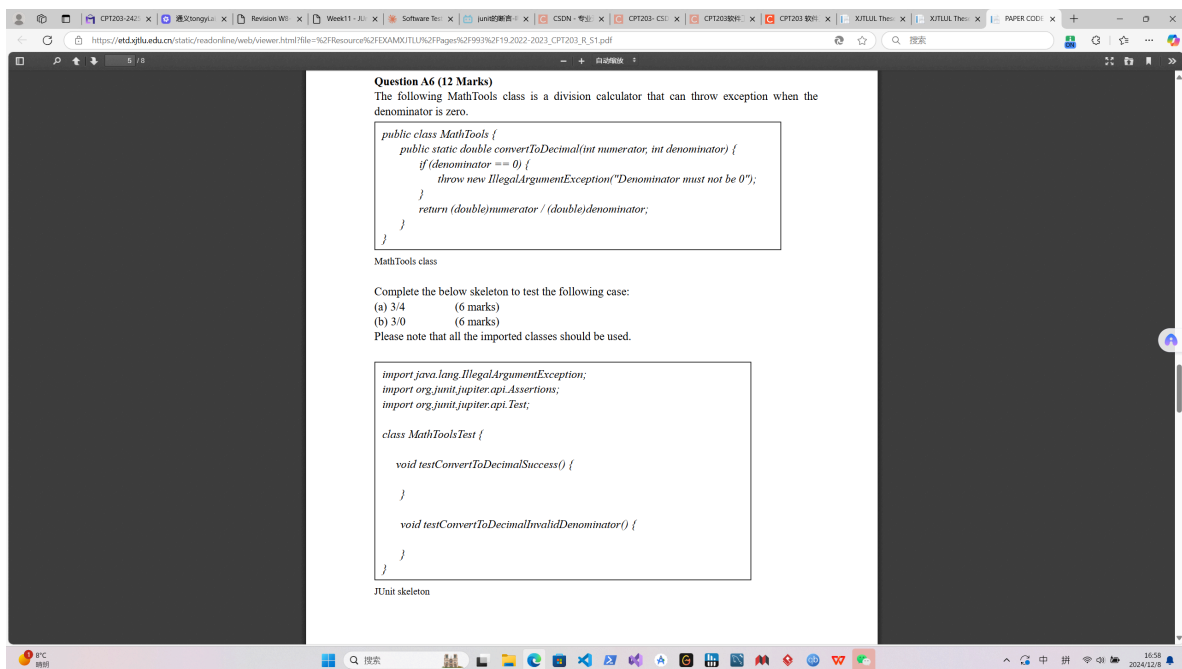
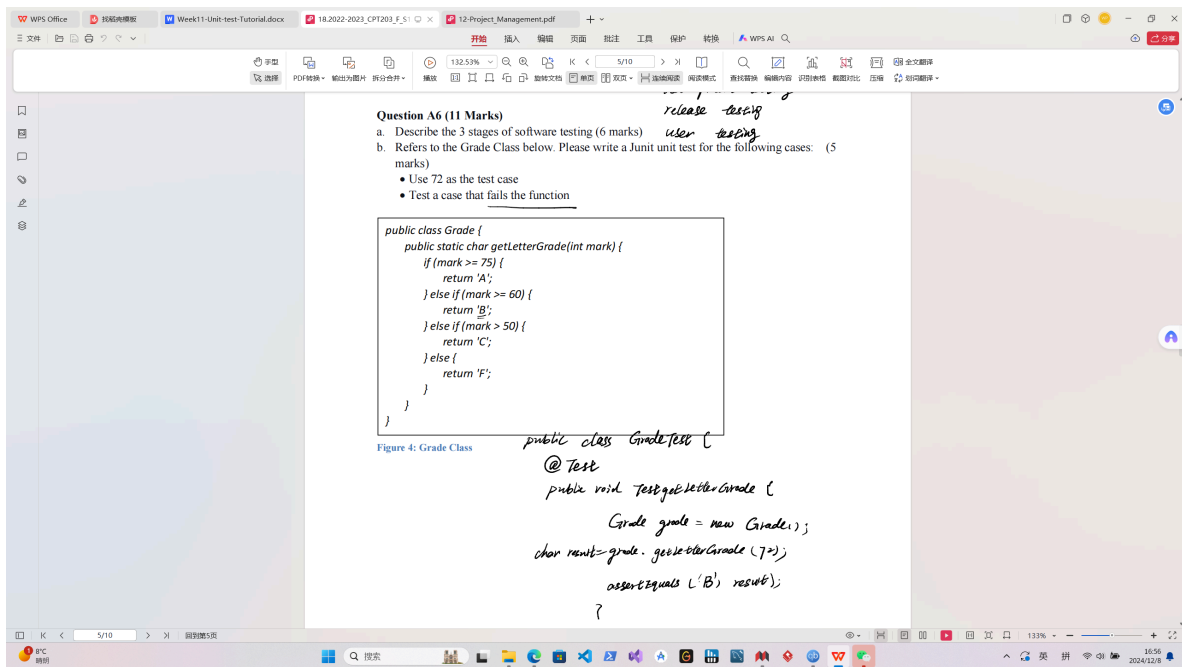
QB: Calculation calculator=new Calculator()

@test

public testfindMax{

 assertEquals(4,calculator.findMax(1,3,4,2),"It works well")

}



Mathtools mathtool=new Mathtools()

@test

Void testCovertToDecimalsSuccess(){

assertEquals(0.75,mathtool.covertToDecimal(3,4),"Success")

}

@test

```
Void testCovertToDecimalsInvalidDenominator(){  
    assertThrows(IllegalArgumentException.class,()->mathtool..covertToDecimal(3,0))  
}
```