**소프트웨어공학 2022년**

**Assignment #9 White box test**

**학번: 201724412**

**이름: 권민규**

1. Statement coverage가 100%가 되도록 다음을 완성 하시오. 교재 5페이지 참고

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 코드 | TC1 | | | TC2 | | |
|  | ag | ac | m | ag | ac | m |
| 21 | 2 | False | 18 | 3 | True |
| 1  2  3  4  5  6  7  8 | int calculate2(int age, int accident, bool male) {  int rateChange = 0 ;  if ( accident <= 2 )  rateChange = 5 ;  else  rateChange = 10 ;  if ( accident >= 5 || (age <= 20 && male) )  rateChange += 5 ;  cout << rateChange << endl ;  return rateChange ;  } | √  √  √  √  √  √ | | | √  √  √  √  √  √  √ | | |

1. Branch coverage가 100%가 되도록 다음을 완성 하시오. 교재 10페이지 참고

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 코드 | TC1 | | | TC2 | | |
|  | ag | ac | m | ag | ac | m |
| 21 | 2 | False | 18 | 3 | True |
| D1  D2 | int calculate2(int age, int accident, bool male) {  int rateChange = 0 ;  if ( accident <= 2 )  rateChange = 5 ;  else  rateChange = 10 ;  if ( accident >= 5 || (age <= 20 && male) )  rateChange += 5 ;  cout << rateChange << endl ;  return rateChange ;  } | D1T  D2F | | | D1F  D2T | | |