

# William Gosset

## Midterm Results

July 7, 2022

### 1 Multiple Choice

question	student_answer	solutions
0	b	d
1	d	b
2	c	b
3	b	c
4	d	a
5	b	a
6	b	b
7	a	c
8	a	d
9	d	b

Correct: 1 of 10

### 2 Programming

#### Question 0

input	Expected Output	Your Output	Result
(1, 2)	3	None	division by zero
(-1, 1)	0	None	
(0, 0)	0	None	
(100, 0)	100	ZeroDivisionError	

Your Code

```
1 def addition(pair):
2     x,y = pair
3     x+y
4     if x > 1:
5         1/0
```

One Solution

```
1 def addition(pair):
2     x,y = pair
3     return x+y
```

## Question 1

input	Expected Output	Your Output	Result
942	941	941	passed
686	683	683	passed
377	373	373	passed
553	547	547	passed

### Your Code

```
1 def prime_floor(z):
2     "Find the smallest prime number below z, where z is an int > 2."
3     for i in range(z,2,-1):
4         is_prime = True
5         for j in range(2,i//2):
6             if i//j == i/j:
7                 is_prime = False
8                 break
9         if is_prime:
10            return i
```

### One Solution

```
1 def prime_floor(z):
2     "Find the smallest prime number below z, where z is an int > 2."
3     for i in range(z,2,-1):
4         is_prime = True
5         for j in range(2,i//2):
6             if i//j == i/j:
7                 is_prime = False
8                 break
9         if is_prime:
10            return i
```