1. Researchers found out that Zombies only count using odd numbers. So the Traveling Ticket Examiner of the “Train to Busan” planned to ask the passengers for an **even number each to allow them to get into the train.**   
   If anyone fails to give even inputs he will be sent to quarantine.   
   You need to write a python program that will calculate the percentage of potential zombies trying to get into that train. **Take inputs through a loop until the input “End”**

[CO4]

[12 marks]

**Sample Input 1:**

13

12

15

17

18

End

**Sample Output 1:**

60 percent Zombies

**Explanation 1:**

Out of the 5 inputs, 3 of them are odd. So there are 3 zombies. That means, the percentage of zombies is (3/5)\*100% = 60%

**Sample Input 2:**

14

16

18

24

28

52

End

**Sample Output 2:**

0 percent Zombies

**Explanation 2:**

Out of the 6 inputs, nome of them are odd. So there are no zombies. That means, the percentage of zombies is (0/6)\*100% = 0%

2. Trace the following code:

| **1** | **var1 = var2 = var3 = var4 = var5 = var6 = True** |
| --- | --- |
| **4** | **var1 = (not False or False) and True** |
| **5** | **var2 = var1 and True** |
| **6** | **var3 = False and not True** |
| **7** | **var4 = True** |
| **8** | **var5 = False** |
| **9** | **var6 = var3 and True** |
| **10** | **print( var6 and False )** |
| **11** | **print( (var5 or var6) and (var2 and var1))** |
| **12** | **print( (var1 and var2) and ( 40 % 3 > 45) or (var5 and var6) )** |

| **Output** |
| --- |
|  |
|  |
|  |

[CO3]

[8 marks]