Task 1 An gid mod more we are miles 1. Open the input file 2. Use readlines function to accert as 3. To remove the 'm' the are usi I am using strip () and hooping the new strings at numbers empty list. 4. From the list number, w 9 am Checking lift the number are odd or of even by calculating the moch. Then I am storing them in carnew output booloon voniable "sont" and g set it 1. Open the file 2. Using readlines make a list ? 3. Replace the word " calculate" and stripped all the stripped 4. From the etement gof list of

every elements based on the space.

So, we one now betting a lists that will contain there elements, number and operator.

5. Then we use membership operator to find if "+", "- ", "x" on "/" gis in the lists on not. Based on the operators found, we do an operation

6. We then save and the outputs in a new tent file and prints.

Haste 2000, resident the list numbers, 100 Death

I. Using thour traditional obubbles sort algoris ment born wet tried both obtain on for the best

2. To achieve that 9 have taken a boolean variable "sorrt" and & set its
to "True".

3. Then if the annay is not already blo "obsorted "it will enter the first if Condition and it'll set sont to False To resulting the loop to continue.

will us. But I fly the manney is not already sorted then it'll not enter the loff if condition and the loop will podment dereals will corrected theree

Task 3

- 1. I have used the sort algorithm from table 2. But I have implemented one for ascending sort and another for descending sort.
- 2. Took adictionary.
- 3. made the marshs key and the ids one value as in a dictionary, eg. {mark! [id, id, id] ?
- 4. Then someted the manks on keys as in descending order and then 9 someted the ids in ascending order and added them in my output tot file.