

Write a code to catch an Exception in python?

```
a=input()
b=input()

try:
    print(int(a)+int(b))
except ValueError:
    print("enter value is not a digit")
```

```
a:1
b:f
Value error:enter value is not a digit
```

Write a code to Read a file and append lines to a list.

```
f=open("Test.txt","r")
l=[]
for i in f:
    l.append(i)
print(l)
```

```
['Test word name']
```

Write a Python function that accepts a list containing strings and integers.  
Merge all string elements using # and add all integer elements.

```
from typing_extensions import TypedDict
def obj(obj):
    string=""
    num=0
    for i in obj:
        if i.isdigit():
            num+=int(i)
        else:
            string+=i+"#"
    print(string[:-1])
    print(num)
```

```
obj(['100', 'welcome', 'hi', '200', '300', 'bye', 'welldone', '500'])
```

```
welcome#hi#bye#welldone
1100
```

Write a script to sort a dictionary based on its values and find the sum of middle two

```
def middle_num_sum(dict):  
    if len(dict)==0:  
        print("Dictionary is empty")  
    else:  
        dict=sorted(dict.values())  
        if len(dict)%2==0:  
            return dict[len(dict)//2]+dict[len(dict)//2-1]  
        else:  
            return dict[len(dict)//2]*2
```

```
a={"x":5,"y":15,"z":25}  
print(middle_num_sum(a))
```

```
b={'a':5,'b':15,'c':25,'d':20}  
print(middle_num_sum(b))
```

```
c={}  
print(middle_num_sum(c))
```

```
30  
35  
Dictionary is empty
```