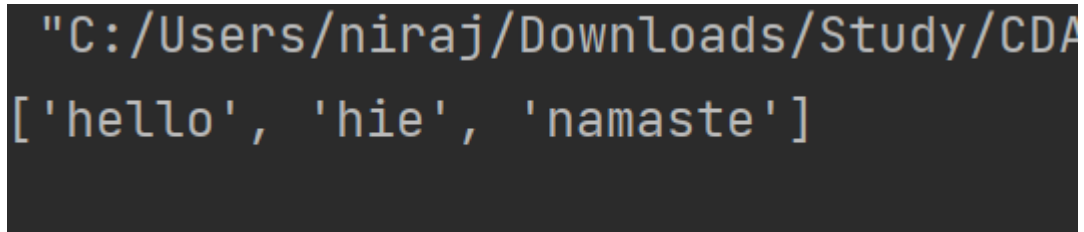


"""

Q1

```
with open("demo.txt","r",encoding="utf-8") as f:  
    list1=f.readlines()  
a=list(i.strip() for i in list1)  
print(a)
```



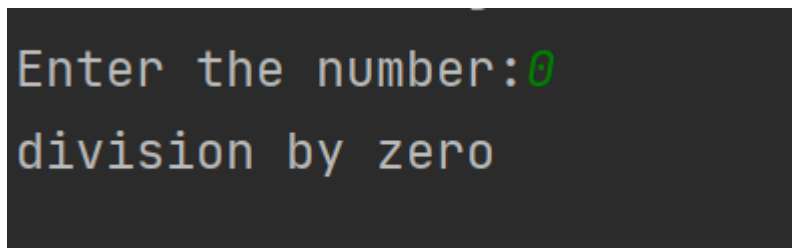
```
"C:/Users/niraj/Downloads/Study/CDA  
['hello', 'hie', 'namaste']
```

"""

"""

Q2

```
a=int(input("Enter the number:"))  
try:  
    x=10/a  
    print(x)  
except ZeroDivisionError as e:  
    print(e)  
except Exception as e:  
    print(e)
```



```
Enter the number:0  
division by zero
```

"""

"""

Q3

```
list1=['100', 'welcome', 'hi', '200', '300', 'bye', 'welldone', '500']  
c=""  
d=0  
for i in list1:
```

```

if i.isalpha():
    c=c+i+"#"
elif i.isdigit():
    d=d+int(i)
print(c,"\n",d)

```

```

"C:/Users/niraj/Downloads/Stu
welcome#hi#bye#welldone#
1100

```

```

"""

```

```

"""

```

Q4

```

data = {"x": 5, "y": 15, "z": 25,"p":12}
sorted_dict = dict(sorted(data.items(), key= lambda item:item[1]))
values = list(sorted_dict.values())
n = len(values)

```

```

print("Sorted Dictionary:", sorted_dict)

```

```

if n == 1:
    result = values[0] * 2

```

```

elif n % 2 == 0:
    mid1 = values[n // 2 - 1]
    mid2 = values[n // 2]
    result = mid1 + mid2

```

```

else:
    mid = values[n // 2]
    result = mid * 2

```

```

print("Sum =", result)

```

```

Sorted Dictionary: {'x': 5, 'p': 12, 'y': 15, 'z': 25}
Sum = 27

```

```

"""

```