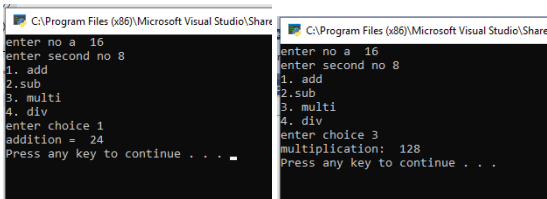


LAB 3
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CSE A 15
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```
Q1) x=int(input("enter no a "))
y=int(input("enter second no "))

print("1. add \n2.sub \n3. multi \n4. div")
z=int(input('enter choice '))
if(z==1):
    print("addition = ",x+y)
elif(z==2):
    print("subtraction: ",x-y)
elif(z==3):
    print("multiplication: ",x*y)
else:
    print("division: ",x/y)
```

output:



```
Q2) out= open("output2.txt", "w")
with open("q4.py", "r") as myfile:
    file_str = myfile.read()
    reversed_str = file_str[::-1]
    out.write(reversed_str)
out.close()
```

output:



reversed:

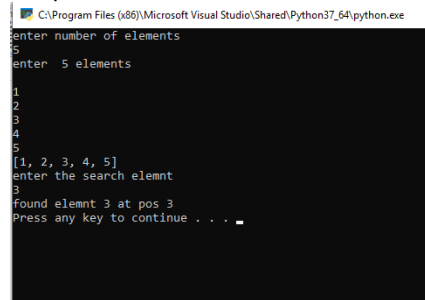
```
Q3) def bsearch(l,u,f):
    if(l>u):
        print("not found")
    else:
        mid=int((l+u)/2)
        if(x[mid]==f):
            print("found elemnt",f,"at pos",mid+1)
        elif(x[mid]>f):
            bsearch(mid,u,f)
        else:
            bsearch(l,mid,f)

x=[]
y=int(input("enter number of elements\n"))
print("enter ",y,"elements\n")
for i in range(0,y):
    x.append(int(input()))

x.sort()
print(x)
s=int(input("enter the search elemnt\n"))
```

```
a=0
bsearch(0,y-1,s)
```

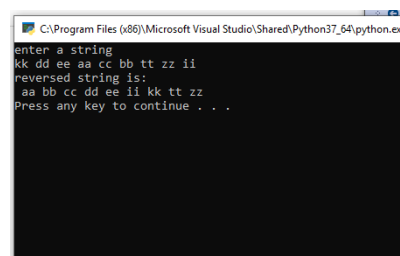
output:



```
C:\Program Files (x86)\Microsoft Visual Studio\Shared\Python37_64\python.exe
Enter number of elements
5
Enter 5 elements
1
2
3
4
5
[1, 2, 3, 4, 5]
Enter the search elemnt
3
Found elemnt 3 at pos 3
Press any key to continue . . .
```

```
Q4) str=input("enter a string\n")
x=str.split()
x.sort()
a=""
for i in x:
    a=a+i+" "
print("reversed string is:\n",a)
```

output:



```
C:\Program Files (x86)\Microsoft Visual Studio\Shared\Python37_64\python.exe
Enter a string
kk dd ee aa cc bb tt zz ii
reversed string is:
aa bb cc dd ee ii kk tt zz
Press any key to continue . . .
```