

1-

A-

```
student=['muhaiaat','muhamd','amjad','rema','ali']
name=input('enter name ')
if name in student:
    print('graduated')
else:
    print('not graduated')
```

enter name *muhaiaat*
graduated

Process finished with exit code 0

|

B-

```
nums=[x for x in range(1,1001) if x%2!=0]
print(nums)
```

[1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57]

Process finished with exit code 0

C-

```
L=['Network','Math','Programming','Physics','Music']
for i in range(len(L)):
    if L[i][0]=='P':
        print(L[i])
```

Programming
Physics

Process finished with exit code 0

D-

```
1 d={x:x**2 for x in range(1,11)}  
2 print(d)
```

```
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100}
```

Process finished with exit code 0

2-

```
1 de=int(input('enter decimal '))  
2 bi=[]  
3 while de>0:  
4     bi.append(de%2)  
5     de//=2  
6 bi.reverse()  
7 for i in bi:  
8     print(i,end='')  
9  
0
```

enter decimal 10

1010

Process finished with exit code 0

|

3-

```
1  infile=open("infile.txt",'r')
2  s=infile.read()
3  infile.close()
4  s=s.splitlines()
5  c=0
6  for i in s:
7      a=input(i[:-1])
8      if a==i[-1]:
9          c+=1
10         print("true")
11
12  name=input("enter your name")
13  print("go to result file")
14  print(name+" ",c)
15  outfile=open("a.txt","w")
16  outfile.write(name+" "+str(c))
17  outfile.close()
```

2+1=3

true

3+2=5

true

2+3=5

true

1+1=2

true

2+1=3

true

3+2=5

true

2+3=1

enter your name *muhaia*

go to result file

muhaia 19