```
gradstudents=['mhammad','ali','yousef','thabet','hasan']
name=input('input a student name')
if name in gradstudents:
    print(name,"is graduated")
else:
    print(name,"is not graduated")

print(name,"is not graduated")
```

```
input a student namemhammad
mhammad is graduated

Process finished with exit code 0
```

В

[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, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 8.

Process finished with exit code 0

```
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)
3
```

```
{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
```

```
def decimal():
           decimal = int(input('enter a decimal number'))
2
           print(binary(decimal))
3
     def binary(decimal):
           binary=[]
           while decimal>0:
               binary.append(str(decimal%2))
               decimal//=2
           binary.reverse()
10
           return(''.join(binary))
11
       decimal()
12
```

```
enter a decimal number2

10

Process finished with exit code 0
```

```
filename="mh.txt"
       infile=open(filename,'r')
       m=infile.readlines()
       infile.close()
       h=0
      for i in m:
           t=i.rstrip().split(",")
7
           print(t[0])
 8
           answ=input()
9
           if answ==t[-1]:
10
               h+=1
11
       un=input("enter your username ")
12
       print(un,'\t',h)
13
       outfile=open("mhr.txt",'w')
14
       outfile.write(un+'\t'+str(h))
15
       outfile.close()
16
```

```
2+2
2+3
5
2+4
6
2+5
7
2+6
8
1+1
2
1*1
1
1*3
3
enter your username mhammad
mhammad 8
```

Process finished with exit code 0