①Name of the program: pangram

Aim: To find whether given string is pangram or not

program:

```
Import string
a=input()
b=a.lower()  # TO change all characters into lowercase
c = list(string.ascii-lowercase)
for i in c:
    If i not in b:
        print("not pangram")
        break

else:
    print("panagram")
```

Input :-

-> we promptly judged antique ivory buckles for th
next prize

output:-

Panagram

② Counting valleys

Aim:- To print integer that denotes number of valleys person walked through during two hike

Program :-

```
a=int(input())
b=list
level=0
valley=0
for i in b:
    if i=="U":
        level+=1
            If level==0:
                valley+=1
    else:
        level-=1
print(valley)
```

Input :-

```
8
UDDDUDUU
```

output:-

```
1
```

③ Hackerrank in a string

Aim:- For each query, print yes on new line if given string (s) contain hacker rank, otherwise, print 'No'.

Program:-

```
def hackerrankstring(s):
    word = "hackerrank"
    length = len(s)
    s = s.lower()
    If ('h' in s):
        indexlist = [s.index("h")]
    else:
        print("No")
        return
    For i in word:
        try:
        indexlist.append(s.index(i, indexlist[-1] +1)
        expect:
            print("No")
            return
    If sorted(indexlist) == indexlist:
        print("Yes")
    else:
        print("No")
q = int(input())
for j in range(q):
    s = input()
    hackerrankinstring(s)
```

Input

Here I am

Input

here I am stacker rank hackerworld

output:

Yes

No

⑨ kangaroo

Ans:- Aim:- Print yes if both kangaroo land at same position if not "No"

Program:-

```
a = list(map(int, input().split()))
x1, v1, x2, v2 = a[0], a[1], a[2], a[3]
result = false
while True:
    If x1 = x2
        result = True
        break
    If (x1 > x2 and v1 > v2) (or) (x2 > x1 and v2 > v1)
                    (or) (x1) = x2 and (v1 = v2):
        break
    x1 += v1
    x2 += v2
If result:
    print("Yes")
else:
    print("No")
```

Input:-

0 3 4 2

output:-

yes

⑤ Time Conversion

Aim:- To Convert 12 hour clock format into 24 hour format

Program:-

```
a=input()
b=0
c=""
d=[]
e=''
For i in a:
    d.append(i)
If a[-2]="P":
    c=a[0]+a[1]
    b=int(c)+12
    b=str(b)
    d[0]=b[0]
    d[1]=b[1]
    d.pop(-1)
    d.pop(-1)
else:
    d[-1]=""
    d[-2]=""
If d[0]="1" and d[1]="2" and a[-2]="A":
    d[0]=c[0]
    d[1]=c[1]
For i in d:
    e=e+i
print(e)
```

Input :-

07:05:45 PM

Output :-

19:05:45