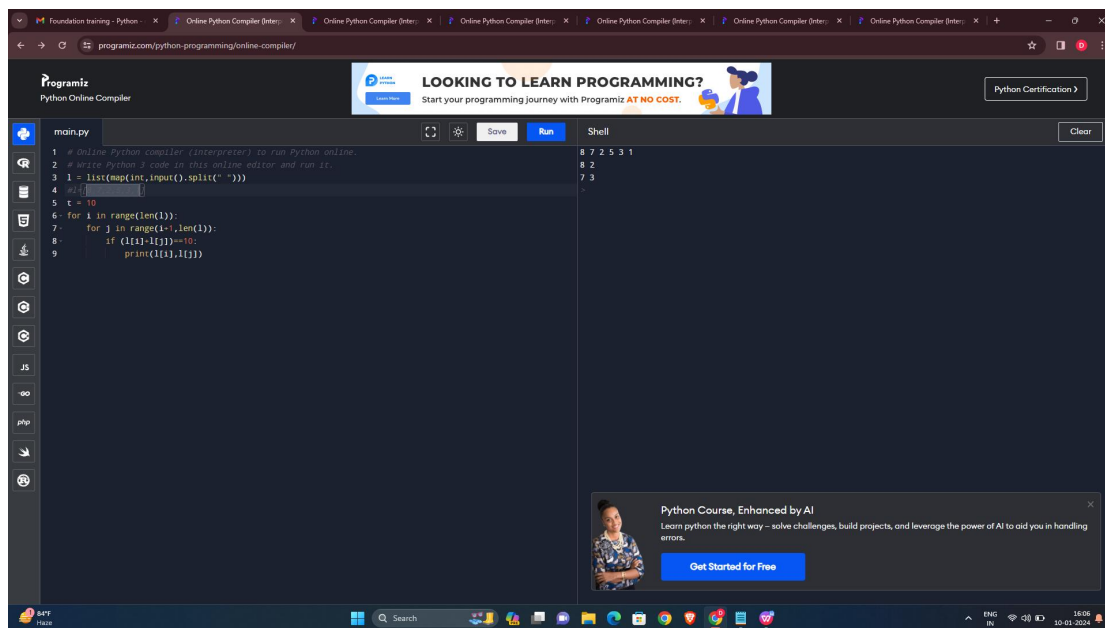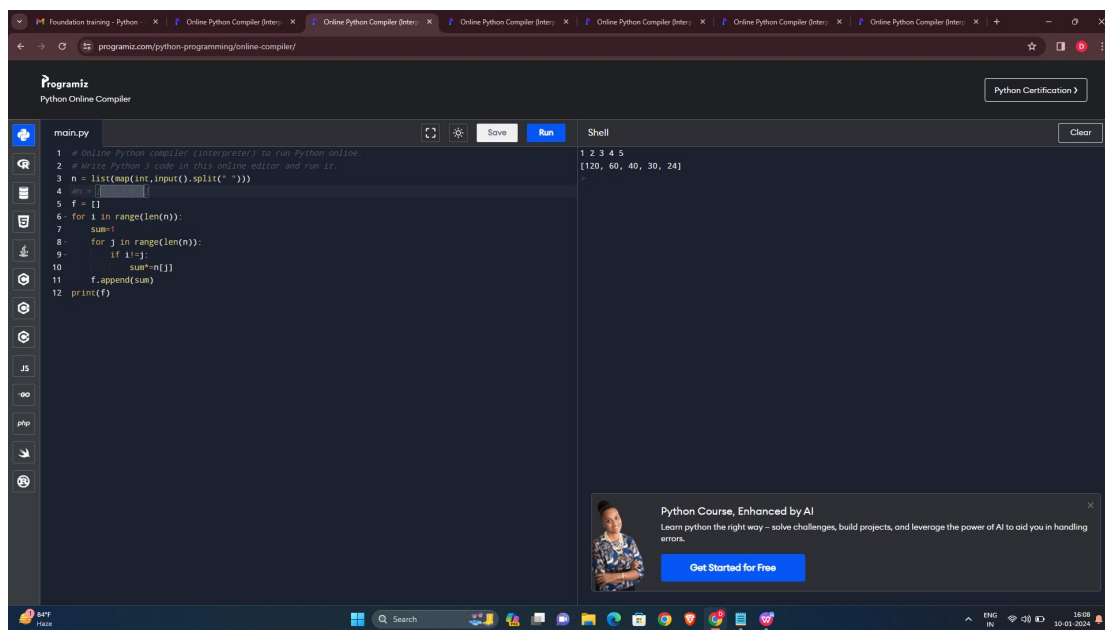Question 1 :

```python
l = list(map(int,input().split(" ")))
#l=[8,7,2,5,3,1]
t = 10
for i in range(len(l)):
    for j in range(i+1,len(l)):
        if (l[i]+l[j])==10:
            print(l[i],l[j])
```
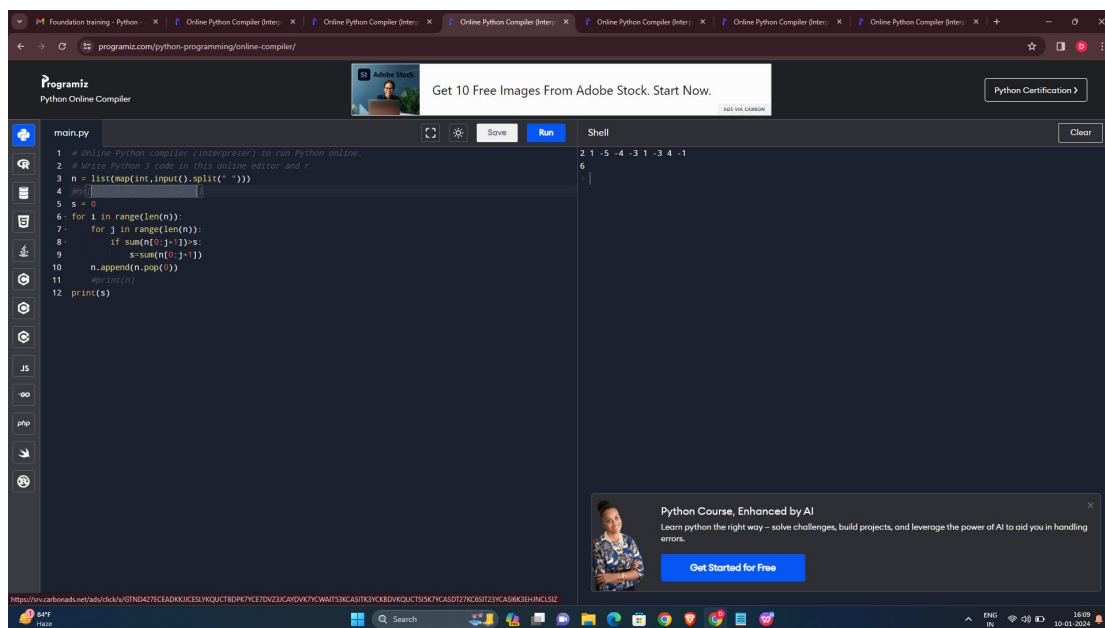
Question 2 :

```python
n = list(map(int,input().split(" ")))
#n = [1,2,3,4,5]
f = []
for i in range(len(n)):
    sum=1
    for j in range(len(n)):
        if i!=j:
            sum*=n[j]
    f.append(sum)
print(f)
```
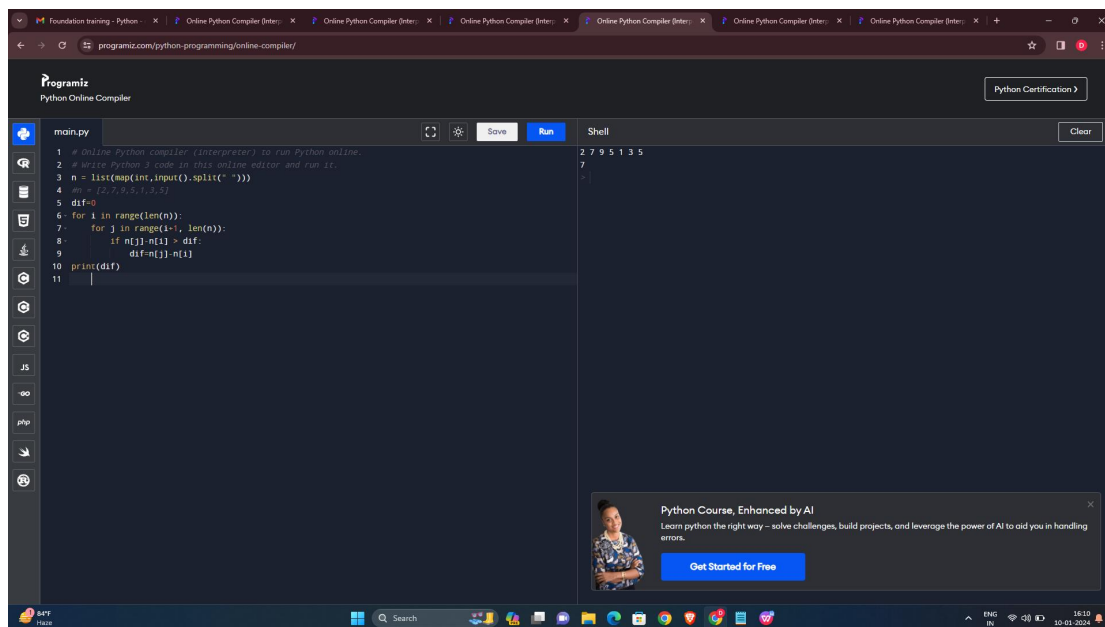
Question 3 :

```python
n = list(map(int,input().split(" ")))
#n=[2,1,-5,-4,-3,1,-3,4,-1]
s = 0
for i in range(len(n)):
    for j in range(len(n)):
        if sum(n[0:j+1])>s:
            s=sum(n[0:j+1])
    n.append(n.pop(0))
    #print(n)
print(s)
```

Question 4 :

```python
n = list(map(int,input().split(" ")))
#n = [2,7,9,5,1,3,5]
dif=0
for i in range(len(n)):
    for j in range(i+1, len(n)):
        if n[j]-n[i] > dif:
            dif=n[j]-n[i]
print(dif)
```
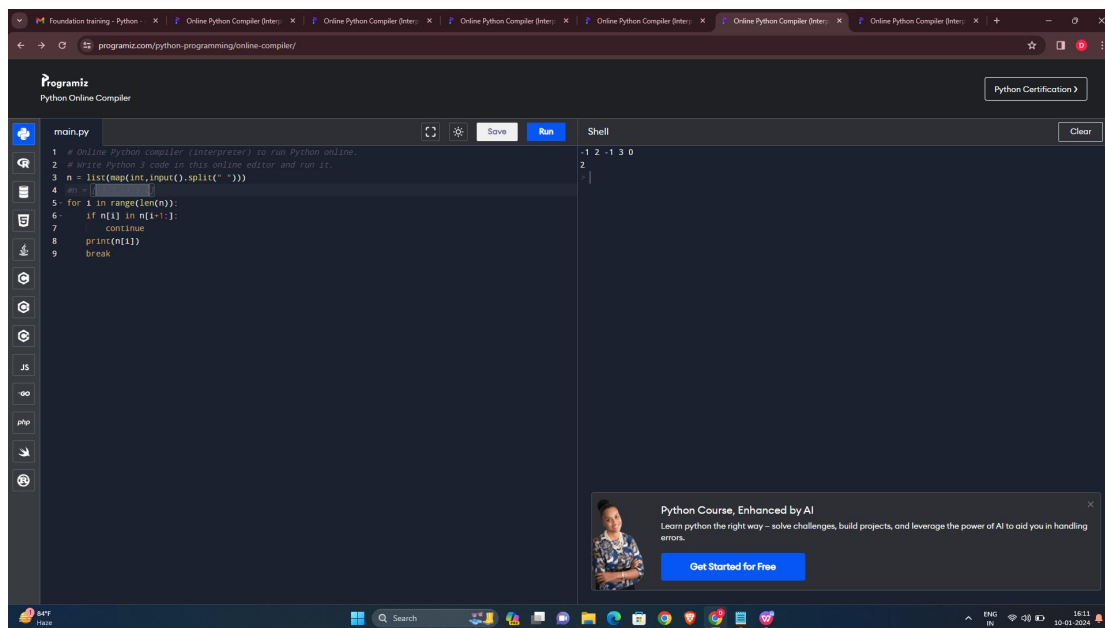
Question 5 :

```python
n = list(map(int,input().split(" ")))
#n = [-1,2,-1,3,0]
for i in range(len(n)):
    if n[i] in n[i+1:]:
        continue
    print(n[i])
    break
```

Question 6 :

```python
def rec(arr, st, k):

    if st==len(arr):
        diff=None
        arr.sort( reverse = True)
        for i in range(len(arr)):
            for j in range(i+1,len(arr)):
                if diff==None or diff<arr[i]-arr[j]:
                    diff = arr[i]-arr[j]
        return diff

    p=arr[:]
    p[st]+=k
    n=arr[:]
    n[st]-=k
    return min(rec(p, st+1, k), rec(n, st+1, k))

n = list(map(int,input().split(" ")))
#n = [1,15,10]
#k = 6
k = int(input())
print(rec(n, 0, k))
```

```python
# Online Python compiler (interpreter) to run Python online.
# Write Python 3 code in this online editor and run it.

def rec(arr, st, k):

    if st==len(arr):
        diff=None
        arr.sort( reverse = True)
        for i in range(len(arr)):
            for j in range(i+1,len(arr)):
                if diff==None or diff<arr[i]-arr[j]:
                    diff = arr[i]-arr[j]
        return diff

    p=arr[:]
    p[st]+=k
    n=arr[:]
    n[st]-=k
    return min(rec(p, st+1, k), rec(n, st+1, k))

n = list(map(int,input().split(" ")))
#n = [
#k = 6
k = int(input())
print(rec(n, 0, k))
```

Shell

```
1 15 10
6
5
>
```