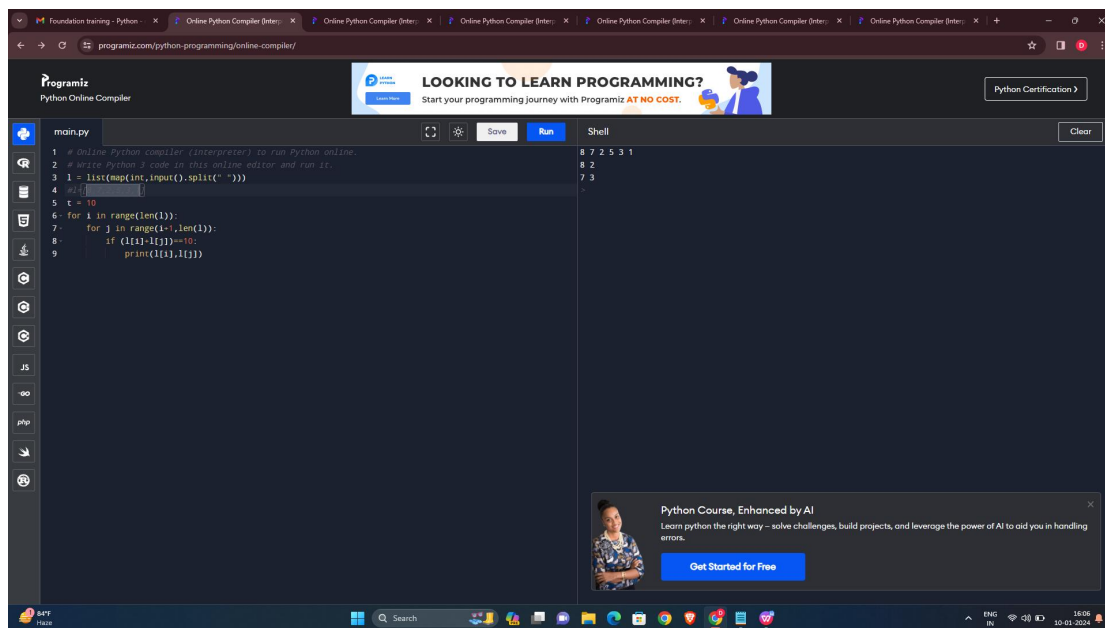


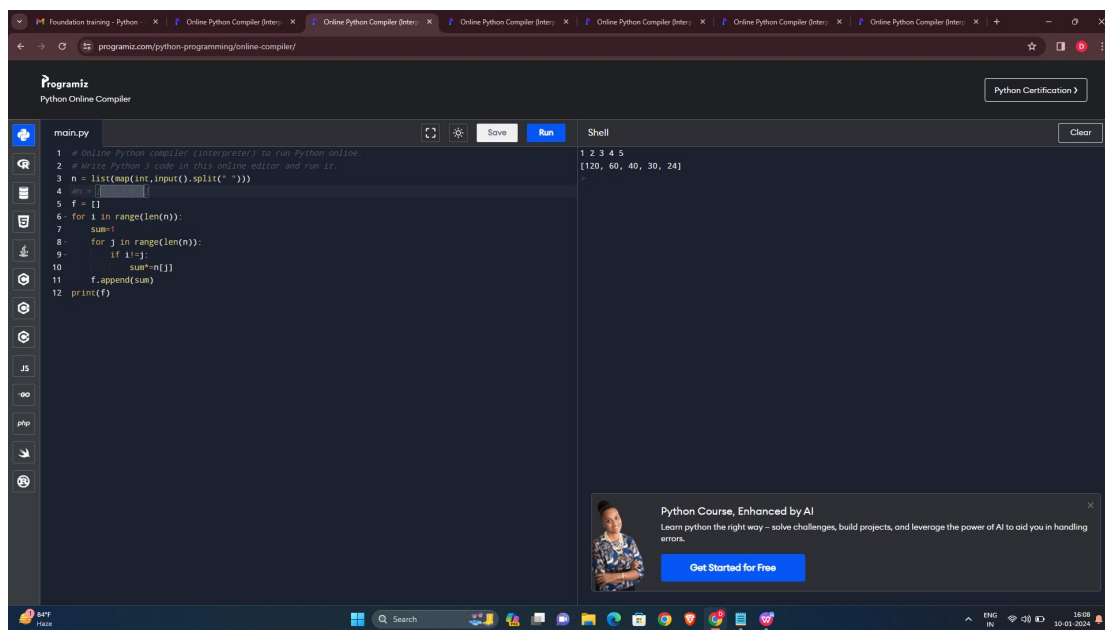
Question 1 :

```
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])
```



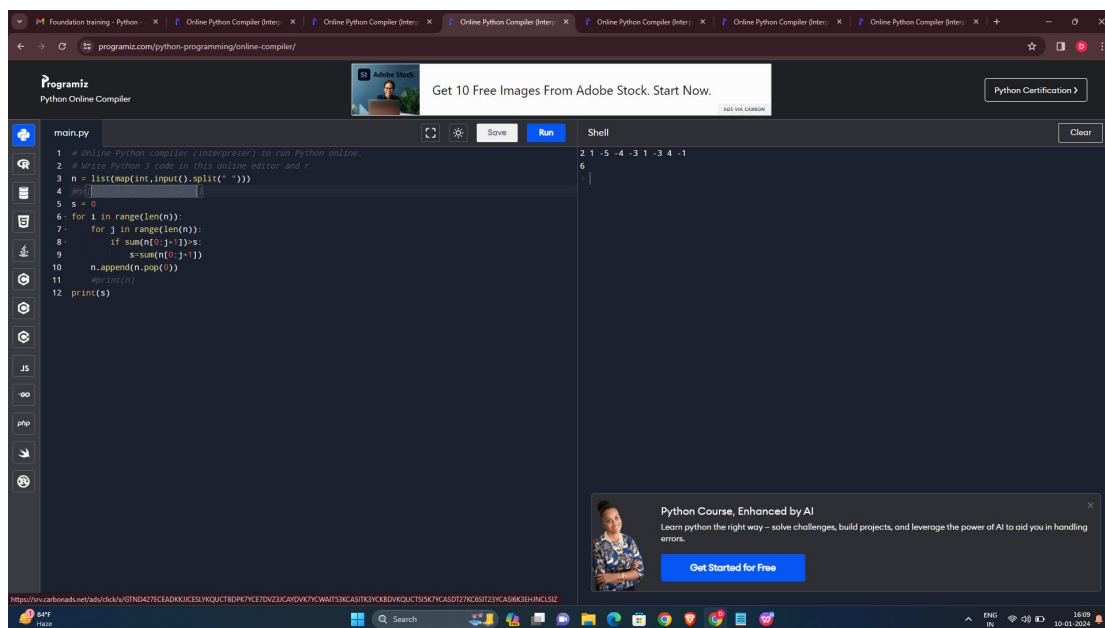
Question 2 :

```
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)
```



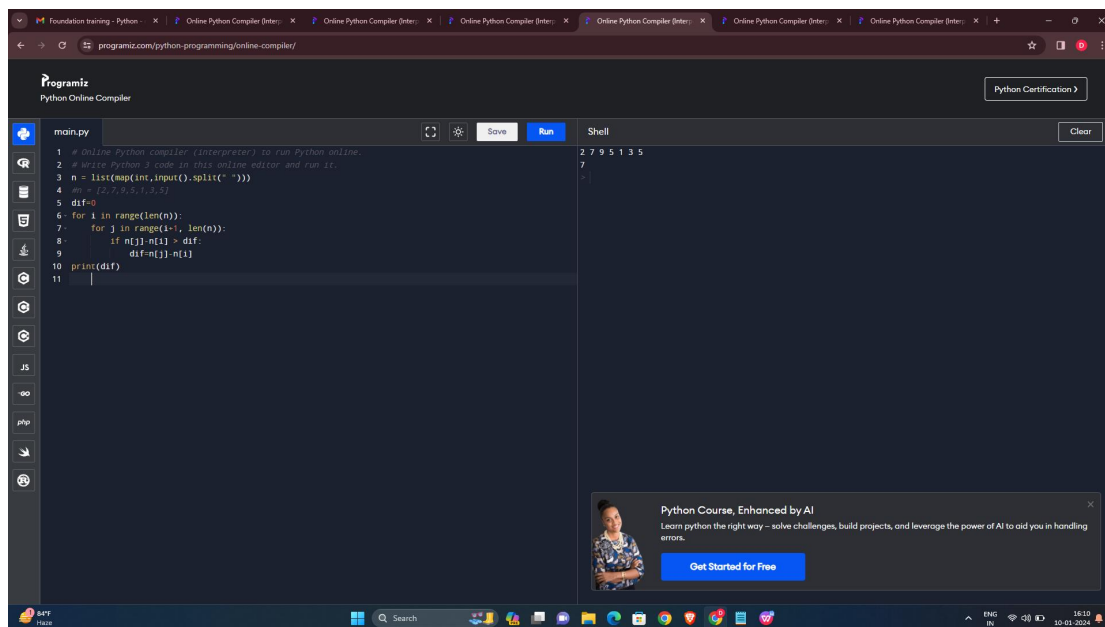
Question 3 :

```
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 :

```
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)
```



The screenshot displays the Programiz Online Python Compiler interface. The code editor on the left contains the following Python code:

```
1 # Online Python compiler (interpreter) to run Python online.
2 # Write Python 3 code in this online editor and run it.
3 n = list(map(int,input().split(" ")))
4 dif = [2,7,9,5,1,3,5]
5 dif=0
6 for i in range(len(n)):
7     for j in range(i+1, len(n)):
8         if n[j]-n[i] > dif:
9             dif=n[j]-n[i]
10 print(dif)
11
```

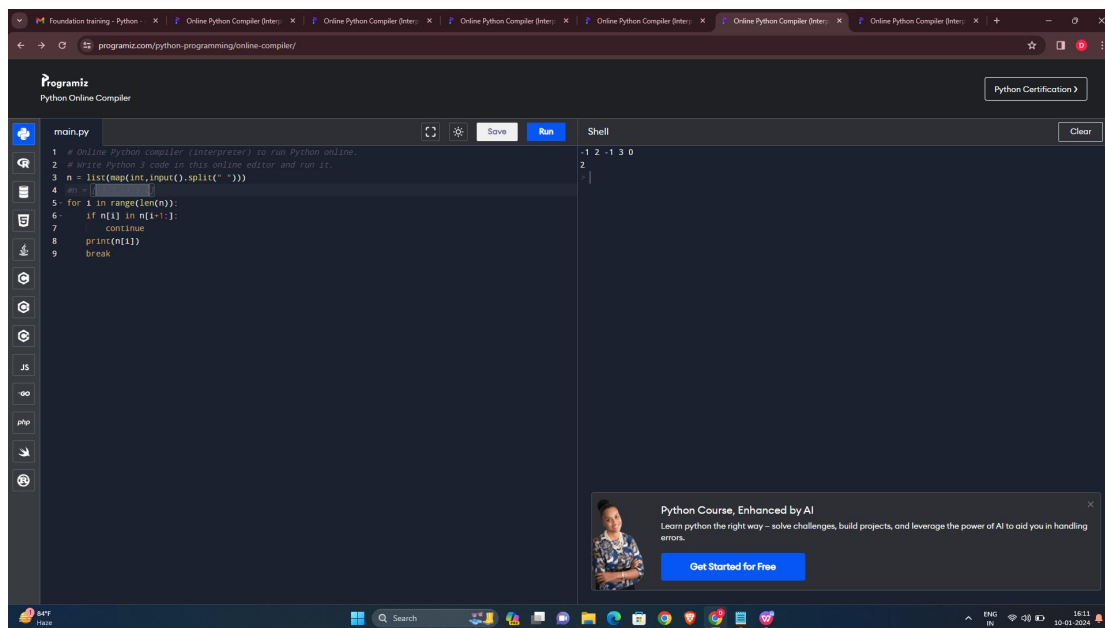
The right-hand side of the interface shows the output of the code execution in the Shell:

```
2 7 9 5 1 3 5
7
>
```

At the bottom of the interface, there is a promotional banner for a "Python Course, Enhanced by AI" with a "Get Started for Free" button.

Question 5 :

```
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 :

```
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))
```

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main.py

Save Run Clear

```
1 # Online Python compiler (Interpreter) to run Python online.
2 # Write Python 3 code in this online editor and run it.
3
4 def rec(arr, st, k):
5
6     if st==len(arr):
7         diff=None
8         arr.sort( reverse = True)
9         for i in range(len(arr)):
10             for j in range(i+1,len(arr)):
11                 if diff==None or diff>arr[i]-arr[j]:
12                     diff = arr[i]-arr[j]
13             return diff
14
15 p=arr[: ]
16 p[st]=k
17 n=arr[: ]
18 n[st]=k
19 return min(rec(p, st-1, k), rec(n, st-1, k))
20
21 n = list(map(int,input().split(' ')))
22 arr = [ ]
23 arr = [ ]
24 k = int(input())
25 print(rec(n, 0, k))
```

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

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