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Homework Practice

```python
#fib series= 1,1,2,3,5,8,13....
```

Question1
```python
a=0
b=1
terms=0
print(a)
print(b)
while terms<10:
    c=a+b
    print(c)
    a=b
    b=c
    terms=terms+1
```

Question2
```python
a=['a',2,3,'dr',5,6,7,8,9,10,11,12,13,14,15,16]
i=0
while True:
    i=i+1
    if i%2!=0:
        print(a[i])
```

Question3
```python
a=['a',2,3,'dr',5,6,7,8,9,10,11,12,13,14,15,16]
b=a[::-1]
for z in b:
    print(z)
```
or
```python
i=-1
while True:
    print(a[i])
    i=i-1
```

Question4
```python
string = """
        ChatGPT has created this text to provide tips on creating interesting paragraphs.
        First, start with a clear topic sentence that introduces the main idea.
```

Then, support the topic sentence with specific details, examples, and evidence.
Vary the sentence length and structure to keep the reader engaged.
Finally, end with a strong concluding sentence that summarizes the main points.
Remember, practice makes perfect!

```python
"""
a=string.split()
c=[]
d=[]
for i in a:
    if i not in c:
        c.append(i)
    else:
        d.append(i)
print(len(c))
```

Question5
```python
argument=input('write the words whose vowels you want \n')
a=[]
b=['a','e','i','o','u']
for i in argument:
    if i in b:
        print(i)
        a.append(i)
print(a)
```

Question 6
```python
animals=['tiger', 'elephant', 'monkey', 'zebra', 'panther']
for i in animals:
    print(i.upper())
```

Question 7
```python
for i in range(1,16):
    if i%2!=0:
        print(i,' is odd')
    else:
        print(i,' is even')
```

Question 8
```python
a=int(input('Enter the first number \n'))
b=int(input('Enter the second number you want to add with the first one \n'))
```

```
c=a+b
print(c)
```