Exercise 1

Input

```
1 for num in range(1,11):
2     print(num)
3
```

Output

Exercise 2

Input

```
1 multiply=int(input("Enter Number: "))
2 for num in range(1,11):
3     result=multiply*num
4     print(f"{multiply}X{num}={result}")
5
```

Output

```
Enter Number: 6
6X1=6
6X2=12
6X3=18
6X4=24
6X5=30
6X6=36
6X7=42
6X8=48
6X9=54
6X10=60
```

Exercise 3

Input

```
1 num1=int(input("Enter a Number: "))
2 sum=0
3 i=1
4 while i<=num1:
5   sum+=i
6   i+=1
7   print(sum)
8
```

Output

```
Enter a Number: 4
1
3
6
10

[Program finished]
```

Exercise 4

Input

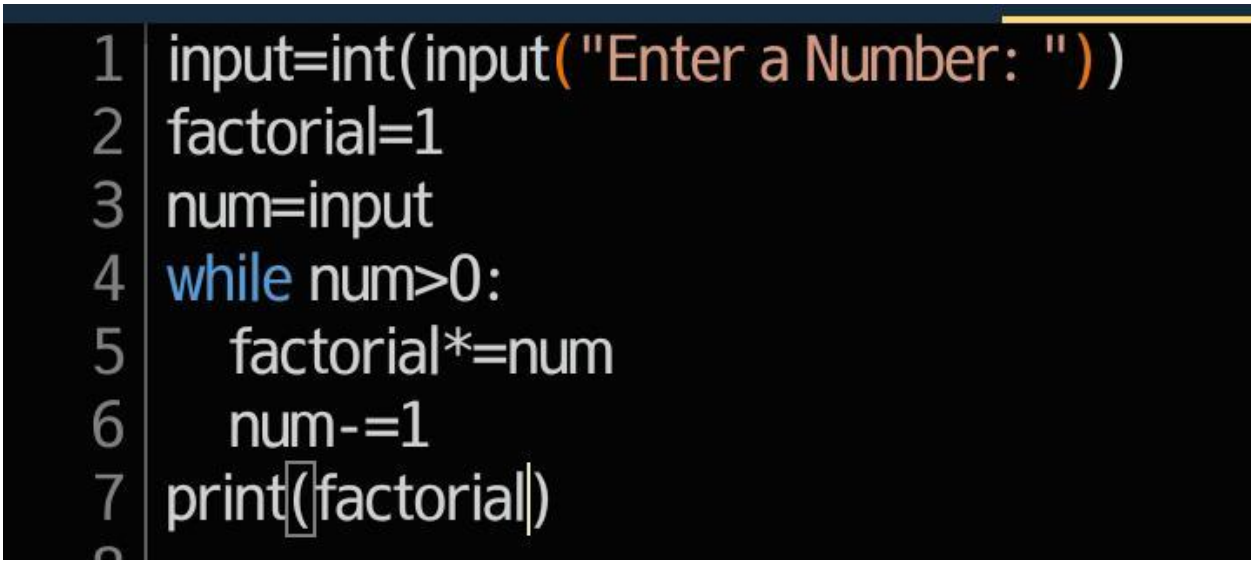
```
1 name=["Areeba","Ayesha","Amna"]
2 for name in name:
3     print(name)
```

Output

```
Areeba
Ayesha
Amna

[Program finished]
```

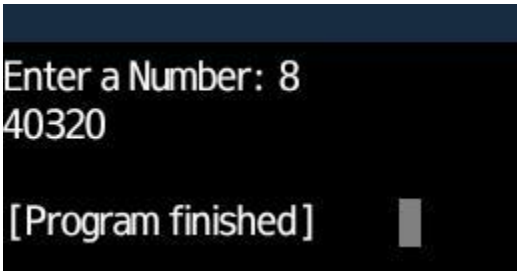
Exercise 5

Input



```
1 input=int(input("Enter a Number: "))
2 factorial=1
3 num=input
4 while num>0:
5     factorial*=num
6     num-=1
7 print(factorial)
```

Output



```
Enter a Number: 8
40320

[Program finished]
```

Exercise 6

Input

```
1  input=int(input("Enter a Number: "))
2  first_term=0
3  second_term=1
4  print("fibonacci series: ")
5  print(first_term)
6  print(second_term)
7  for i in range(2,input):
8      next_term=first_term+second_term
9      print(next_term)
10     first_term=second_term
11     second_term=first_term
```

Output

```
Enter a Number: 4
Fibonacci series:
0
1
1
2

[Program finished]
```

Exercise 7

Input

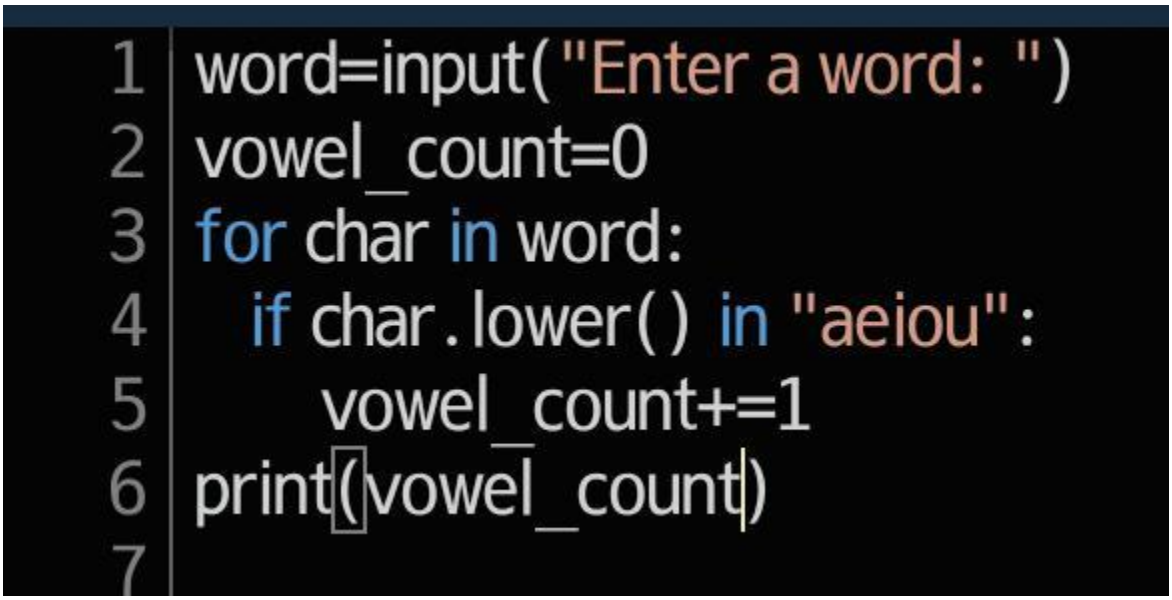
```
1 num=int(input("Enter a Number: "))
2 reversed_num=0
3 while num>0:
4   digit=num%10
5   reversed_num=(reversed_num*10)+
  digit
6   num=num//10
7 print(reversed_num)
```

Output

```
Enter a Number: 1234
4321

[Program finished]
```

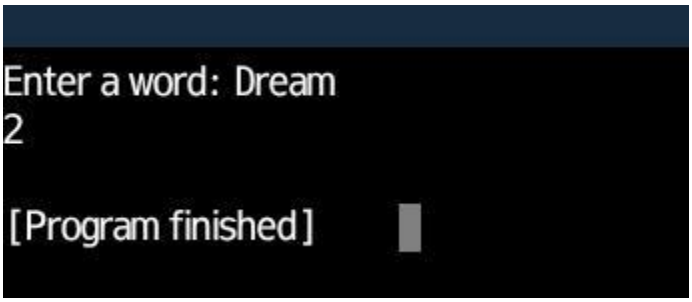
Exercise 8

Input



```
1 word=input("Enter a word: ")
2 vowel_count=0
3 for char in word:
4     if char.lower() in "aeiou":
5         vowel_count+=1
6 print(vowel_count)
7
```

Output



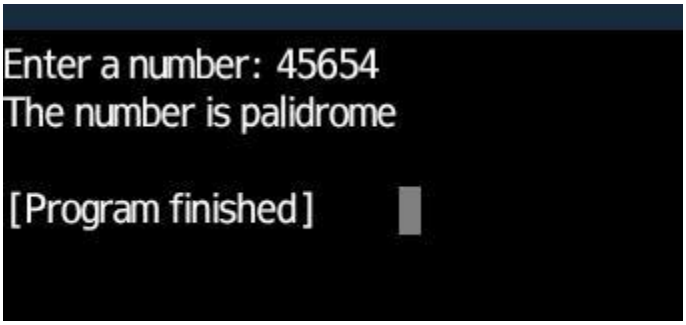
```
Enter a word: Dream
2

[Program finished]
```

Exercise 9

Input

```
1  num=int(input("Enter a number: "))
2  original_num=num
3  reversed_num=0
4  while num>0:
5    digit=num%10
6    reversed_num=(reversed_num*10)+
   digit
7    num=num//10
8  if original_num==reversed_num:
9    print("The number is palidrome")
10 else:
11   print("The number is not a
   palindrome")
12
```

Output



Exercise 10

Input

```
1 sum_of_squares=0
2 for num in range(1,6):
3   square=num**2
4   sum_of_squares+=square
5 print("Sum of Squares 1 to 5 is ",
  sum_of_squares)
6
```

Output

```
Sum of Squares 1 to 5 is  55

[Program finished]
```