1. Write a Python function called square_numbers that takes a list of numbers as input and returns a new

list containing the square of each number.

```
In [13]: def square_numbers(x,y,z):
    a=x**2
    b=y**2
    c=z**2
    return a,b,c
    square=square_numbers(2,4,5)
    print("square of x,y,z = ",square)

square of x,y,z = (4, 16, 25)
```

2. Write a Python function called find_even_numbers that takes a list of numbers as input and returns a new list containing only the even numbers from the input list.

3. Write a Python function called format_info that takes the following information as keyword arguments: name, age, city, country. The function should format the information into a string and return it.

```
In [22]: def format_info(**kwargs):
    print("my Name is ",kwargs["name"])
    print("i am ",kwargs["age"],"years old")
    print("my city is ",kwargs["city"])
    print("am from ",kwargs["country"])

format_info(country="india",name="ajith",city="palakkad",age=26)

my Name is ajith
    i am 26 years old
    my city is palakkad
    am from india
```

4. Squaring a number using a lambda function

```
In [24]: x=lambda a:a**2
print("square of x = ",x(10))
square of x = 100
```

5. A lambda function that checks if a number is even.