1. Write a function welcome() that prints 'Welcome to Python!'.

```
def welcome():
  print("Welcome to Python!")
welcome()
```

```
Welcome to Python!
```

Write a function greet(name) that prints 'Hello '.

```
def greet(name):
  print("Hello",name)
greet("sai")
```

```
Hello sai
```

3. Write a function square(n) that returns the square of n.

```
def square(n):
  return n*n
square(5)
```

```
25
```

4. Write a function calculator(a, b) that returns the sum, difference, and product of a & b.

```
def calculator(a,b):
  return a+b,a-b,a*b
calculator(5,6)
```

```
(11, -1, 30)
```

5. Write a function country(name='India') that prints 'I am from '.

```
def country(name='India'):
  print("I am from",name)
country()
```

```
I am from India
```

6. Write a function total(*nums) that returns the sum of all numbers passed.

```
def total(*nums):
  return sum(nums)
print(total(1,2,3,4,5))
```

```
15
```

7. Write a function student_info(**data) that prints key : value for all items.

```
def student_info(**data):
  for key,value in data.items():
    print(key,value)
student_info(name="sai",age=23)
```

```
name sai
age 23
```

8. Write a function count_vowels(text) that returns the number of vowels in the string.

```
def count_vowels(text):
  Vowels = 'a,e,i,o,u,A,E,I,O,U'
  Count=0
  for char in text:
    if char in Vowels:
```

```
        Count+=1
    return Count
print(count_vowels("Hello world"))
```

```
3
```

9. Write a lambda function to return the cube of a number.

```
cube=lambda x:x**3
print(cube(3))
```

```
27
```

10. Write a function unique_letters(text) that returns unique letters in the order they appear.

```
def unique_letters(text):
  unique_char=[]
  for char in text:
    if char not in unique_char:
      unique_char.append(char)
  return unique_char
print(unique_letters("Apple"))
```

```
['A', 'p', 'l', 'e']
```