

## hiran-223-lab3

August 12, 2023

```
[3]: #Write a function in Python with a string such that it accepts a parameter-  
      ↪ "stringsplit".  
      # This encoded string will contain your name, domain name and register number.  
      # You can separate the values in the string by any number of underscores.  
      # [The string should not contain any other underscore symbols in your name,  
      # domain name and register number]. The function should return a Python  
      ↪ dictionary with your name, domain name and register number._  
def decode(stringsplit):  
    firstsplit = stringsplit.split('__')  
    username= firstsplit[0].strip()  
    domain= firstsplit[1].strip()  
    registernumber= firstsplit[2].strip()  
  
    dict={"name":firstsplit[0], "domainname": firstsplit[1],"regno":  
    ↪firstsplit[2]}  
    return dict  
  
encoding = "hirangeorge__gymmanagement__2347223"  
decoded = decode(encoding)  
print(decoded)
```

```
{'name': 'hirangeorge', 'domainname': 'gymmanagement', 'regno': '2347223'}
```

```
[11]: #multiple level inheritance  
class trainer1:  
    def train(self):  
        print("trainer 1 is training")  
  
class trainer2:  
    def train(self):  
        print("trainer 2 is training")  
  
class gym(trainer2,trainer1):  
    pass  
member = gym()  
member.train()
```

```
trainer 2 is training
```

```
[13]: #multilevel inheritance
class trainer1:
    def train1(self):
        print("trainer 1 is training")

class trainer2(trainer1):
    def train(self):
        print("trainer 2 is training")

class trainer3(trainer2):
    def train2(self):
        print("trainer 3 is training")

member2=trainer3()
member2.train()
member2.train2()
member2.train1()
```

```
trainer 2 is training
trainer 3 is training
trainer 1 is training
```

```
[20]: #heirarchial inheritance
class trainer1:
    def train1(self):
        print("trainer 1 is training")

class trainer2(trainer1):
    def train2(self):
        print("trainer 2 is training")

class trainer3(trainer1):
    def train(self):
        print("trainer 3 is training")

member = trainer3()
member.train()
member.train1()
```

```
trainer 3 is training
trainer 1 is training
```