

Assignment 2

Quarter Month:-

```
def funct(date,quarter):

    dic = dict()

    year = date[:4]
    month = date[4:]
    quart_int = int(quarter[1:])

    prev_month = int(month)-1

    p_year = str(year)
    if prev_month == 0:
        prev_month = 12
        p_year = str(int(year)-1)

    p_month = str(prev_month)
    if prev_month < 10:
        p_month = "0"+ str(prev_month)

    dic["previous_month"] = p_year+p_month

    prev_qrt = quart_int-1
    if prev_qrt == 0:
        prev_qrt = 4

    p_qrt = "Q"+ str(prev_qrt)
    dic["previous_quarter"] = p_qrt+"_"+p_year

    future_month = (int(month)+11)%12

    f_month = str(future_month)
    if future_month < 10:
        f_month = "0"+ f_month
    if future_month != 12:
        future_year = int(year)+1
    if future_month == 0:
        f_month = '12'
```

```
dic["future_month"] = str(future_year)+str(f_month)
```

```
dic["Quardo"] = quarter+"_"+year
```

```
return dic
```

```
#previous month; 202207
```

```
#previous quarter: Q2_2022
```

```
#future month +12: 202307
```

```
#QUARDO : Q3_2022
```

```
#this should be returned as a dictionary
```

```
date = "202208"
```

```
quarter = "Q3"
```

```
result = funct(date,quarter)
```

```
print(result)
```