

Match Case

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In [5]: num=int(input("Enter the no.(0-5):"))
match num:
    case 0:
        print("Zero")
    case 1:
        print("One")
    case 2:
        print("Two")
    case 3:
        print("Three")
    case 4:
        print("Four")
    case 5:
        print("Five")
    case _: # default case
        print("Invalid input")
```

Enter the no.(0-5):4
Four

```
In [6]: n1=int(input("Enter num: "))
n2=int(input("Enter num: "))
s=input("Enter choice (+, -, *, /): ")
match s:
    case '+':
        print(n1+n2)
    case '-':
        print(n1-n2)
    case '*':
        print(n1*n2)
    case '/':
        print(n1/n2)
    case '_':
        print("invalid input")
```

Enter num: 15
Enter num: 16
Enter choice (+, -, *, /): *
240

In []:

Programs on Match Case

```
In [23]: # 1) write a python script to check a given number is a three digit number
n=int(input("Enter a Number: "))
match n:
    case n if n>99 and n<=999:
        print("The Number has three digit")
    case n:
        print("Not have three digit")
```

Enter a Number: 456
The Number has three digit

```
In [5]: # 2) write a python script to check whether a given number is +ve , -ve or Zero
n=int(input("Enter a number: "))
match n:
    case n if n>0:
        print("Number is positive")
    case n if n<0:
        print("Number is negative")
    case n:
        print("Number is zero")
```

Enter a number: -11
Number is negative

In [24]: *# 3) write a python script to make a mine user has to choose one of the opt*
from : (a) Even or Odd no. (b) +ve or -ve no. (c)simple intrest
match and exicute appropriate code on user se

```
print("Enter choice-\n\t(a) to check even/odd")
print("\t(b) to check Positive/Negative\n\t(c) to calculate Simple Interest")
s=input("\t: ")
match s:
    case 'a':
        n=int(input("Enter Number: "))
        if n%2==0:
            print("Number is even")
        else :
            print("Number is odd")
    case 'b':
        n=int(input("Enter Number: "))
        if n>0:
            print("Number is Positive")
        else:
            print("Number is Negative")
    case 'c':
        p=int(input("Enter Principle Amount: "))
        r=float(input("Enter Rate of Interest: "))
        t=int(input("Enter Time: "))
        si=p*r*t/100
        print("Simple Intrest is:",si)
    case _:
        print("Invalid Input")
```

Enter choice-
 (a) to check even/odd
 (b) to check Positive/Negative
 (c) to calculate Simple Interest
 : a

Enter Number: 45
Number is odd

In []: