

# ds-day-4-1-stack

July 25, 2024

```
[ ]: ##push means append ,pop
```

```
[8]: # stack=frist in first out
```

```
stack=[]  
stack.append(10)  
stack.append(20)  
stack.append(30)
```

```
stack.pop()  
print(stack)
```

```
stack.pop()  
print(stack)
```

```
stack.pop()  
print(stack)
```

```
[10, 20]
```

```
[10]
```

```
[]
```

```
[15]: class bird:  
    pass # if nothing in class than write PASS  
peacock=bird ## object name=classname()  
peacock.color="multicolor"  
print(peacock.color)
```

```
multicolor
```

```
[22]: class bird:  
    color='white' # color will taken white in all object definrd as bird class  
peacock=bird()  
peacock.color="multicolor"  
print(peacock.color)  
  
dove=bird()  
print(dove.color)
```

```
multicolor
white
```

```
[23]: ##holiday=sunday
      #working day 6
      #3 employee
      #1 employee own working day
```

```
[26]: class employee:
      working_day=6
      holiday="sunday"

      sohan=employee()

      rohan=employee()
      rohan.holiday="monday"

      mohan=employee()
      mohan.working_day=5
      mohan.holiday="saturday,sunday"

      print("working day of sohan",sohan.working_day)
      print("working day of sohan",rohan.working_day)

      print("working day of sohan",mohan.working_day)
```

working day of sohan 6

```
[4]: #function in class

      class employee:
          working_day=6
          def show(self):
              print(self.salary)

      rohan=employee()
      rohan.salary=50000
      rohan.show()
```

50000

```
[5]: class employee:
      def __init__(self): # constructor
          print("hello")

      rohan=employee()
```

hello

```
[40]: class car:
        def __init__(self,model,color):
            self.model=model
            self.color=color
        audi=car("audi 7","red")

        print(audi.color)
```

red

```
[7]: ### using return
class car:
    def __init__(self,model,color):
        self.model=model
        self.color=color

    def show(self):
        return f"model is {self.model},color is {self.color} "
audi=car("audi 7","red")
print(audi.show())
```

model is audi 7,color is red

```
[1]: ##using print

class car:
    def __init__(self,model,color):
        self.model=model
        self.color=color

    def show(self):
        print("model is",self.model)
audi=car("audi 7","red")
audi.show()
```

model is audi 7

```
[8]: ##using print f

class car:
    def __init__(self,model,color):
        self.model=model
        self.color=color

    def show(self):
        print(f"model is {self.model},\ncolor is {self.color} ")
```

```
audi=car("audi 7","red")  
audi.show()
```

```
model is audi 7,  
color is red
```

```
[ ]:
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[ ]:
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[ ]:
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