



- 17) Output
- 18) Hello Durga Good Morning
- 19) Hello Ravi Good Morning
- 20) Hello Sunny Bad Morning

In the above program whenever we call wish() function automatically decor function will be executed.

How to call same function with decorator and without decorator:

We should not use @decor

- 1) `def decor(func):`
- 2) `def inner(name):`
- 3) `if name=="Sunny":`
- 4) `print("Hello Sunny Bad Morning")`
- 5) `else:`
- 6) `func(name)`
- 7) `return inner`
- 8)
- 9)
- 10) `def wish(name):`
- 11) `print("Hello",name,"Good Morning")`
- 12)
- 13) `decorfunction=decor(wish)`
- 14)
- 15) `wish("Durga")` #decorator wont be executed
- 16) `wish("Sunny")` #decorator wont be executed
- 17)
- 18) `decorfunction("Durga")`#decorator will be executed
- 19) `decorfunction("Sunny")`#decorator will be executed
- 20)
- 21) Output
- 22) Hello Durga Good Morning
- 23) Hello Sunny Good Morning
- 24) Hello Durga Good Morning
- 25) Hello Sunny Bad Morning

Eg 2:

- 1) `def smart_division(func):`
- 2) `def inner(a,b):`
- 3) `print("We are dividing",a,"with",b)`
- 4) `if b==0:`
- 5) `print("OOPS...cannot divide")`
- 6) `return`
- 7) `else:`
- 8) `return func(a,b)`