12. Write a program to find the perfect number. **PROGRAM:** def per(num): sum=0for i in range(1,num): if num%i==0: sum+=i if sum==num: return True else: return False a=28if per(a): print("Perfect number") else: print("Not a perfect number") **OUTPUT:** PS C:\Users\surya> & C:\Users\surya/AppData/Local/Programs/Python/Python312/python.exe c:\Users\surya/Untitled-1.py PS C:\Users\surya> & C:\Users\surya/AppData/Local/Programs/Python/Python312/python.exe c:\Users\surya/Untitled-1.py Perfect number PS C:\Users\surya> & C:\Users\surya/AppData/Local/Programs/Python/Python312/python.exe c:\Users\surya/Untitled-1.py Perfect number PS C:\Users\surya> & C:/Users/surya/AppData/Local/Programs/Python/Python312/python.exe c:/Users/surya/Untitled-1.py TIME COMPLEXITY:

Time complexity for the above code is

F(n)=O(n)