**Task 5:Number of problems that can be solved within a given time and deadline**

**Code:**

*def party(time):*

*count=0*

*req=0*

*flag=True*

*i=0*

*while flag:*

*i+=1*

*req+=i\*5*

*if req<=time:*

*count+=1*

*else:*

*break*

*return count*

*print("Time deadline: 8pm")*

*start=8\*60*

*t=int(input("Enter the present time:"))*

*t=t\*60*

*print("The number of possible questions can be solved are:",party(start-t))*

**OUTPUT:**

