Costs				
Purchase price per unit	C = 20			
Selling price per unit before the season	r= 28			
0	s= 10			
Demand				
Demand mean	μ= 100			
Demand standard deviation	σ= 42			
	•			
OUTPLIT 2	OUTPUT 2		Given Q, find Service Level and	
Given Service Level, find Q and	expected profit	expected p	rotit	
Please enter a type of service level	Type- 1	Please enter the new nurshase price	C_ 19.00	
	Type= 1		C = 18.00 Q = 100.00	
	SI - 0.90		SL1= 0.500	
			SL2= 0.832	
Total expected profit	TP = 225.96	Total expected profit	TP = 698.40	
	Purchase price per unit Selling price per unit before the season Selling price per unit after the season Demand Demand mean Demand standard deviation OUTPUT 2 Given Service Level, find Q and Please enter a type of service level (Note: enter 1 for type 1 SL, enter 2 for type 2 SL) Please enter a service level of the chosen type Order quantity	Purchase price per unit Selling price per unit before the season r= 28 Selling price per unit after the season s= 10 Demand Demand mean	Purchase price per unit Selling price per unit before the season Selling price per unit after the season Selling price per unit after the season Demand Demand Demand mean Demand standard deviation OUTPUT 2 Given Service Level, find Q and expected profit Please enter a type of service level (Note: enter 1 for type 1 SL, enter 2 for type 2 SL) Please enter a service level order quantity Please enter a service level of the chosen type Order quantity Q = 153.83 OUTPUT Given Q, find Service Please enter the new purchace price Please enter an order quantity Type 1 service level Type 2 service level	

MODEL		INPUT		
	Costs			
		Price per item	C =	250
		Fixed cost per order	S =	2200
		Annual holding cost as a percentage of price	(h+r) =	20 %
Economic Order Quantity	Demand			
(EOQ) Policy		Annual demand	R=	3077
	Lead time			
		Lead time (in years)	L=	0.03835616

Optimal reorder point ROP* = 118.02 Reorder point ROP = 118.02 Jumber of orders in a year = 5.91 Number of orders in a year = 1.23 Time between two orders (in years) T = 0.17 Time between two orders (in years) T = 0.81		OUTPUT 1 est, find Optimal Q and ROP	OUTPUT 2 Given Q, find Costs		
OUTPUT 2	Optimal order quantity Optimal reorder point Number of orders in a year Fime between two orders (in years) Cost details	ROP* = 118.02 = 5.91 T = 0.17 Annual Holding Cost = 13009.04 Annual Setup Cost = 13009.04 Annual Purchase Cost = 769250.00	Reorder point ROP= 118.02 Number of orders in a year = 1.23 Time between two orders (in years) T= 0.81 Cost details Annual Holding Cost = 62500.00 Annual Setup Cost = 2707.76 Annual Purchase Cost = 769250.00		
Enter the new discounted purchace price C = 220.00	The One-Time Order Quantity for				

