TASK-7 - Python Functions 17/9/25 Train ticket Reservation: -A train has low seats. write a function that checks if a booking is possible given seats left tickets neguested. ((dopte) trob by god (students)) AIM: To write a program for the function that checks if a booking is possible given seats left fickets requested. Algorithm: 1. stant 2. Define function book\_fickets 3. input - total available seats 4. number of tickets the passengers wants 5. Check it booking is possible 6. Display Booking successful Else Display Not Enough seats

7. Stop

Result: Thus the, booking of possible given seats neguested has been snewled successfully.

def book\_tickets (seats left, tickets\_reguested):

if tickets\_reguested <= seats=left: return f'Booking successful! seats left: (seats-left-tickets-requested) Input return "Not Enough seats available."

Print (book\_tickets (20,5))

sufput: It wood all the boar from the output: # Booking Successful! 4. convert the Call into a s.t Seate left: 15 Silve Ingal William Sala . Print (book - tickets (3,5)) to Gen a new file # Not crough seats available angine March March sportion it was and hardso has true

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Student Rank Finden. AIM: To write a function that finds the student with highest mariks.

Algorithm

1. start

2. Define function top\_student (manks)

3. max() function to find highest marks.

4. Return the name of student with maximum mark.

5. call function of students & marks

6. Display the nesult

7. stop.

Result: There, the function finds student with highest marries has been Executed Successfully.

Program det top\_student (manks): return max (manks, key=manks.get) Students = ["Anun": 85, "Meena": 92, "Kuman": 78 } Print (top\_student (students)) This is the state of the state output: # Meena Watrit was not not and and stopse stabilisms desirable services 

det atm\_withdraw (balance, amount): if amount <= balance: return f'withdrawl Successful! New balance: 1 balance - amount 3" Input Loutput: return "Insufficient funds" Print (atm\_withdraw (5000, 2000)) # withdraw! Successfull! New balance: 3000 Print (atm\_withdrawl (3000, 5000)) # Insufficient funds

ATM withdrawl
and refurens the new balance, or an error message.
and lie tuting the new balance, or an error message.
Algorithm
(C" reduces to what I toped to see
1. start (" of it it is the second it is it
2. Define a function atm-withdraw (balance, amount).
8. input:  · balance - assunt account balance.  · Amount - withdrawl amount requested
4. Check Condition:
if amount <= balance
. Display "withdrawl successful! New balance
5. Elle Display insufficient funds
6. Print the reals
7. stop
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EX YO.
PESULI AND ANALYSIS (5)
PECORD (5)
TOTAL (29)
SICN WITH DATE
(75)

Result: Hence, the Program of ATM withdrawl and neturns has been verified and Enecuted successfully.