

PYTHON ASSIGNMENT (numpy, OOP basics)

(20 Marks)

1. Write a python script to solve the following.

A local shop sells three types of Laptops on Monday to Thursday- hp, sony and dell and the prices are 30000, 35000 and 40000 respectively. The sales of items are,

	Mon	Tue	wed	Thu
hp	1	5	2	3
sony	5	6	3	1
dell	7	6	2	1

Using numpy, calculate the sales collection for each day.

(6 Marks)

2. Write a python script to solve the following.

A group of people took a trip on a bus at Rs.3.00 per child and Rs.3.20 per adult for a total of Rs.118.40. They took the train back at Rs.3.50 per child and Rs.3.60 per adult for a total of Rs.135.20.

Using numpy, print the number of children and adults.

(6 Marks)

3. Write a menu based program to manage BankAccounts using class concept (develop your own logic) with the following features.

- a. account number - data(instance)
 - b. account balance - data(instance)
 - c. account type -data(instance)
 - d. number of accounts-data(class)
 - e. account holder name-data(instance)
 - f. account holder address-data(instance)
 - g. methods for deposit,withdraw,setting and getting account & account holder details.
- (Note: you may create a dict of bank account instances with 'account no' as key in your program)

(8 Marks)