

Day 1

Task 1:

Write a Dart program that allows the student to enter the following:

1. His/her name
2. Student code
3. The grade of his/her 5 subjects (. /50)

Output:

1. Name
2. Student code
3. The 5 grades
4. The total grades
5. The percentage of success (max=100%)
6. His final grade depended on percentage of success.
 - 86 ->100: excellent
 - 76 ->85 : very good
 - 66 ->75: good
 - 50 ->65: pass
 - 0 ->50: fail

Task 2:

Write a Dart program that allows the user to order a number of product packs (Tea ,Sugar, Rice) .The user is asked to input the number of packs he wants from each type(Tea ,Sugar, Rice).

Output:

1. The price of the packs ordered from each type (if a type is not ordered , its price will be equal 0 so it won't appear).
2. The total price of all packs ordered.

(Tea ----> 25.5 EGP)

(Sugar ----> 18.25 EGP)

(Rice ----> 21.5 EGP)

Ex:

```
How many packs do you need from tea :  
5  
How many packs do you need from sugar :  
3  
How many packs do you need from rice :  
0  
Price of 5 packs of tea =127.5  
Price of 3 packs of sugar =54.75  
Total price is :182.25
```

Task 3:

Write a dart program that sets the salary of the employees according to some conditions:

1. If the person is **single**, he will be asked to enter his years of experience as his salary will depend on it:
 - i. 0 to 5 years of experience:
 $\text{Salary} = 1000 + (\text{years of experience} * 200)$
 - ii. 6 to 10 years of experience:
 $\text{Salary} = 1500 + (\text{years of experience} * 400)$
 - iii. More than 10 years of experience:
 $\text{Salary} = 2000 + (\text{years of experience} * 600)$

2. If the person is **married**, he will be asked to enter no of children he has as his salary will depend on it:
 - i. 0 to 3 children:
 $\text{Salary} = 1200 + (\text{no of children} * 150)$
 - ii. 4 to 6 children:
 $\text{Salary} = 1800 + (\text{no of children} * 250)$
 - iii. More than 6 children:
 $\text{Salary} = 2000 + (\text{no of children} * 300)$

Then the salary will be printed to the employee .