

GEBZE TECHNICAL UNIVERSITY
BIL 101 INTRODUCTION TO COMPUTER SCIENCE
HW10
PART ONE

REQUIREMENT ANALYSIS:

first of all we have to dealre that mehmet and ayse how many chocolates will and we have to store and eep it in a variabe. And thse variables will be int mahmetchocolate,aysechoclate.and then fot the total chocolates we can use the variable (int totalchocolates).

In the test part of this program we will put directly the totalchcolates = 6 and mehmet is two times faster than ayse has given already.if ayse eats a chocolate in a minute so mehmet will ear two of them I a minute, and for them we can diclare variables called (int speed_of_ayse and int speed_of_mehmet)and we will put for the variable of the ayse one and for the mehmet= * ayse because ayse if slower tham mehmet and like this we would have been diclare the mehmet's speed clearly.

And after that by a assistant function we will diclare and array [6] as a random function.and then by diclared variables we will do our coddng.then we will send the speeds of mehmet and ayse and them then function will give us that how many chocolates hs eaten by whom.

DESINGN:

```
#include <stdio.h>
#include <time.h>
#include <stdlib.h>

//we use rand function to use random quantity of chocolates.
int chocolates(int total[6]);
void printchocolates(int chocolates[6]);
void who_has_eaten(int total[6], int speed_of_ayse, int speed_of_mehmet);// these are all
    diclaration part.
    int main()
    {
        int totalchocolates[6];
        int speed_of_mehmet,speed_of_ayse=1;
        speed_of_mehmet = speed_of_ayse * 2; // because speed of mehmet is two times faster than
            ayse.

        //first of all we made the arrayes of chocolates here.
        chocolates(totalchocolates);
        who_has_eaten(totalchocolates,speed_of_ayse , speed_of_mehmet);
        return 1;// if it is true so return one .
    }
```