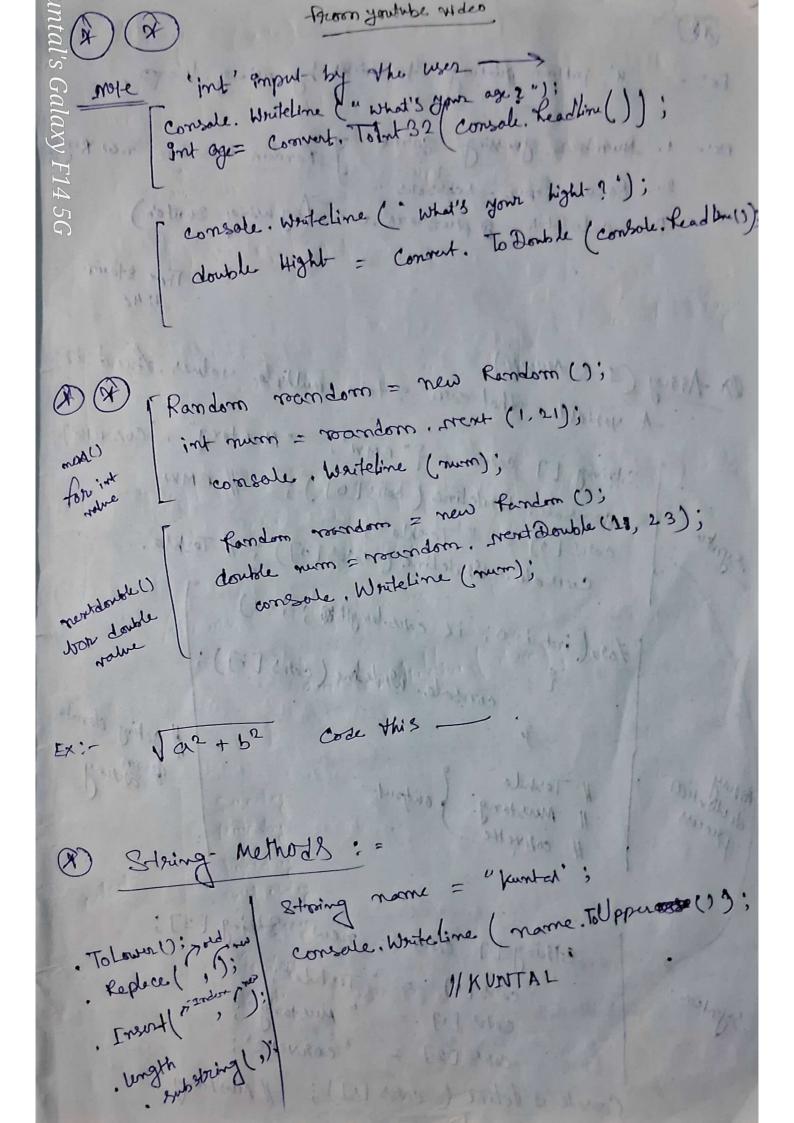


```
Math class
       mynd shotow,
        rome space Myfirst Brogram ?
                  class Program &
                    Public Static void Main (String [] corgs) [
                               double 7 = 3!
                               double a = Math. Pow(x, 3);
                                      1/0=33
                              console. Writeline (a);
                             consale. Readkey ();
                          3
               math class, we use math class attrubutes
                             pow ()
                             PICI
                             Max ()
                             min ()
                             Round ()
                               Sim ()
                               S9001-()
       Ja2+62
EX:
     if a = 2 | then a^2 = 4 | then \sqrt{489} b = 3 | b^2 = 9 | \sqrt{13}
     double 0,2 = convert. Todauble (console. Readline (1);
     double b2 = convert. To Double (console. Readline());
             b2 = Math. Pow ( b2, 2);
      double = math. Squt (0,2+62);
```



String interpolation

String frust. Name = "Broo";

gtring Lost. Mame = "code";

mt Age = 21;

console, Wrideline (\$" Hello ? Aust. Name } ? [ast. Mame].")

console, Wrideline (\$" your age 98: 2 age 9.");

15. Condition controls: It ( 1 condition) If else statement dusif () Switch Statement) else & Switch (romation) Lase (): break; default 1) statement break; Tornary Statement > [[condition 9 1statement : 11 statement 2 when to an all Foobs !-Entry contral loop (for, while loop) Exit contral loops (do-while) while loop > | while (condition) 1 Hoop Statement do- white > 11 car statement I write (condition) for (inti = 0; i <= 10; i++) for bop > 11 statemes.

of for (instialization; condition; mor/deer) { Il code to be executed Goto Shkonunt - > While (condition) 2 / code to be executed incr/decr; mitialization; Il code to be executed do-white Synter mor/deer; 3 (constitute (condition); goto here; Break Statement Break 98 used to break loop. It break the current flow of the phogram at that given condition. In case at Inover loop it breaks only inner loop.

1) sitamituch 1 Laurotta 1 th . 1 B. Lagical else palwha { Il code to be executed if all The conditions falsh (: ? ) Brewnet , F 2014000 foremotet 2 lettings Switch > Switch (expression) ? case value!: Il code to be executed Switch synter break; cose value 2! I code to be executed man griste ext 1 whole to break; Town the form were : .. ole. Perdione () (Christon electric) default: I it all case are not too of privite break: If code he executed if condition 3 (mily my) 37 Elect of land time) ? mo fr stronger to 1/ con

it is used to continue loop. It continue the current flow of the phogram and Continue Ship the germaining code at specified conth In case at more loop, It continues only inner loop. It is used to transfer control to the hoto Statement >> other part of the program. It a unconditionally Jumps to the specified level ? Wing System; namespace consaleAppliation & public class Programs { public static void main was I code to be enewhed conside. Writeline (hi,); contale. Writeline (" good morning goto here; threak stolement Brush is used of Break local. It Brak All centrent fleet of the phopsin

it percents and

And given cordition, in case of rever

for each (vor Hem in list or array) foreach) hand of sels de the model of the 9 5. Jump statement throw personne : Il sections Note Project on C# Other project > Standard calculator >> Billing application.
>> Weather app. (by using weather. wind et 8 m - [ while ( cordition ) & state ( conditions) ( of a) and

```
a, bottom bengind bedowing pid mind poles.
 Ex! - 1. Number guesting game of Random wandom = new Random 21 Rock - Pages - sales ne
      21 Rock - Paper - seessons "
       3. calculator & program. (by using switch)
       A variable that can stone multiple values. Fixed size
1 Agray (1-D Agray)
         String [] care = {"BMW", "Mustang", "Corrette"};
          console. Wrifeline (cons[0]); / BMW
            core [0] = "Teshla";
core ole: Write Line (cors [0]); // Teshla.
          for (int 1=0; it cars.length ; i++)
                      console. Writeline (cars [i]);
                                                  Il geting elevants
Array
                                                   from overy
              11 Toshla
               11 Mustang output
 Process
               Il corvelle.
                 to brust
                3tring [] cars = new String [3];
                     cars[0] = "Teshle";
                      cars[i] = " mustang";
                      cars [2] = "corvette";
            Consale. wrifeline (cors [1]); // mustang
```

E - Agoray (19) upper indu Lower indea datatype [] name; synten. number = new int [4] [3, 4, 5,6) STEERINGER BY int [] number; days = new string[] [ "sunday", "monday", "Tuesday" "wednesday", "Thursday", "Friday"; Agreach (string item in days) console. Woulding ( Hern); gunday monday Twestory wednesday Thursday Pruday Book

```
a simpler way to Herete over an average,
   toreach boop =
                     but it's class flexible.
         String [] cars = 2"Bmw", "Mustang", "correcte" ];
              foreach () string car in cars)
                      console. Wrifeline (cen)
  Phylogen
                                     America delimina decilention.
                                    tunction call
  10 Methods on Function =
         Main (string E) Ares) & "Kuntal";
                int age = 24;

Singhood Magaring (name, age); - function call
               console. feedrey ();
      Static usid singhand Maring (string Name, int old)
                           Consale Nouteline ("Hello, Good Marving"
                            Console, Nouteline (" your gare is: ", Age);
       607 or 10 (0)
declirotter
                    Experie marked
   e Leturn keyword: Main (242ing [) trys) {
                              double a, b, sesult; consider writeline ("Enter a=");
                           a = comment. To double (conside, fead line ()); we suit
                            whiteline (" voesnt = " " ment):
             Static and double from Total R (double gr, double 4) 9
                                   double 2 2 x x Y; return 2; jo
```

```
Method overbad ( we can pass 3-Augument in a function)
   ... Main (3 trong 2) orgs) ?
             double total;
             total = Muliply (2, 3, 4):
             console, Writeline (total);
               console. Readvey ();
      Static double Multiply (double a, double b, double c)
                 greturn at bxc
@ Params keywords:=
            Main ( string [] args) ?
   double total = checkout (3.99, 5.75, 15, 100,10:25)
                  console. Briteline (total);
console. Readkey ();
       public double checkout (params double[] prices
                          double total = 0;
 Secret see & Callett.
                           foreach (double price in prices)
     in 1921 grea were fordstolle &
                                 total = total + price;
                             neturn total:
     Params is a method parameter that's take
```

Paramo at argument.

a variable number at argument.

The parameter atypes must be a single - dimensional case) array.

(10) array.

Fine stamp 2108.

console. Writeline ("Enter another number!");

consols. Writeline ("Enter another number!");

consols Writeline ("Enter another number!");

double y = convert. To Double (consols. Readline))

double yesult = x/Y;

double negative ("The negative is!", nesol)

catch ( Format Exception e) {

convale. Write line ("Enter only the number");

```
Catch ( Divide By Lero Exception e) {
                                                               Console. Writeline ( for conit dride by zero).
                                         finally & console souteline ("Thank you");
                              Consale. feadkey ();
                                    Proportion of the same
                                                                                                                                           the motion which
                                                                                                                         which much white it
           conditional operator Terrary operator
                                    variable = (condition)? Statement 1; Statement 2;
                                   String[,] closes = { = "kuntal", "kund", "keva"},

S" Rida", "Shruya" "Mamu"
        Multi-D-Arviay (2-D Arviay)
       Potter that charge [,] classi [2,1] = "conta";
                                         for (inti=0; i(3; i++) {
for (inti=0; j(3; j++) {
for (inti=0; j(3; j++) {
}
                                                                                                                      console, Would (Class [ [; ]], "
 kurnful kurnal keka
Pohit but of more compole. compole. compole.
Hope is the charge and I down to the town in the state of the state of
         in the place some of the part of agest along
          String interpolation : "Broo";
                         string Lost Mame = "code";
                                 console, Wrifeline ($"Hello ? finst Norme Jo ? last Norme ].")
 console Douteline ( $ " your age 18: 2 ages.");
```