Object oriented programming language,

continued generally purpose, onse sonsitive and object opiented programming language. It is used to develop game engines games, desidop apps, and applications, music payer etc.

" ; aparagas principal paratanate as

## The tendences of ext:

- \* Simple
- \* mid level programming language.
- \* Rich libanary ! !
- \* fist speed
- + Recursion
- \* Object opiented
- 4 Compiler Based.

to is charactured productived produced.

```
FIDE: V Integated development: Envinorment
                                                      ~ H provides toots for cupiting source code.
forexample: code: blocks, Tarbo ett ele
                                                                                   rmust save file with tepp extension.
                            Di Compiler: VII compiles source code into object
                                                                                   code and creates final executable
                                                                                                                                     program.
                                                                                                            i this may remore gridle
                         # Include clostneam> 1000 a word no Jone da
                           using namespace std; see in in in
                             int main ();
                                                                                                                         Service | The Co of long moon
                                       cout « " Hello Brangladesh"; Is The ments
                                                  neturno;
                                                                                BETA TOP ATTA TOPS FOR
                                                                                                                                    along at the fi
                                THE PROPERTY OF THE PROPERTY OF THE PARTY OF
                             1997 minima distribution of the original
```

Hindude, closhneamy, framework and any water 1819

mod output stream

The Colle was when i are pure whence whomen Hirelake

The members of the follow input/subject Junetion and continue of the members of the second of the se

using momespace std; ;

क्षात्राम काला नि नुस्ता ननाकात ।

intermain();

किर्देश आप आरं खेली।

Co and on there is

ल्या के उराज्यात मार्थांका (जाक (जामाक) जन्मारिक जार्

gote carrier carle main function atters

openning early Brace cout: Console output all and output stream object. << -> insention operation. 6. " - double cotetion the fair (Aut en 1 ; — नारेन व्याधाः neturno; : all amt key word. शुर पिस र्रेबग्रेस क्राप्तायात यह जाव विचिक्तिहरे श्माह । closing early brace main function one one cin: Console input Bildand. pun. >> - extration operator June from Quarte sis Inter Note: # inelude Leonio. 17 Nete: fg-

Comment: a · single. line comment propers many : hon forward sloop to the state of the specialist 9. Multiple line comment: special contains administration \* I HAR SE HOLLE 4 ... Tokens: bnow yest simp sie : to and about the week greaters, must viry go July Rallow garagi plans griede . remon transform antison more 13. Ein: Obscole input Bild and put They show the story Show of the state of the state

A Basic Concept of Junction was to mistorial de

Subprograms. The subprogram is called as a function.

a particular lask.

gru can use function to reduce time and write program efficiently.

1 Built in June from: main y

D' Libarary Junetion: point ()

(iii) user define function: add ()

result ()

Sum ()

return-type function-name (posometer-typename, posometer-type

petwin-type define what types of value will peturn the function such as int, float, double, when etc. If the return type is [void] then the function will not return any value.

function-name define the name of function which follows the pules of identification declaration.

is used in function. There are lot of parameter may used in function.

name define the name of parameter which follows the pules of identification declaration.

Ex:

int get\_menu (inta, intb, inte);

Syntax for functiondefination and at some enter petum type function name (ponameter type name) tranction hader define when these of also will recture the from him. such as pad flood, hubbs, choos ede. If the where par renter declarations; it and the first time from double, restaure (value/expression); body tellows the roller of identification declosedions. promoters type defines the type of voucables which Example: int sum (intarint b) = back pour manu do inv. The name of postmen which. the rules of identifications to along the befunne; ( hind this, a his) mone top hai

```
Add two Numbers using Junetion:
 #imlude xiostrem>
 using namespace std;
 int sum (int num1, int num2); - Junction protofyne
 int main ()
                           Anguments/ former
    inta, b, nes;
                         - calling function - (2)
   emssassb;
10 pes = Sum (a, b);
   cout ex "The result is: " expes;
 int sum (int num1, int num2)
                             - + function defination
   int num s;
     num 3= num 1+ num 2
                             (it is not execute by
    - petan nam3;
                              compiler until it is
                                       called)
```

```
Intialization of variable:
      Vaniable_name = value;
  int nam = 10;
              Note: chareeter single estation
Fxumple (1)
  # inelude i ostnem>
  using namespace std;
  int main ()
                   in were during furthers or
     ein>>a;
     cout << " The valu is: " << a;
    retrumo;
```

Vapiable: V. (A.... 2, a... 2) (0) प दिनिसासित नाम विकित् का व्याका विद्या अवे श्व तर keyword variable on name after man in the Case the services By dasis aux ounces where we will man the Example: valid - hillown) in note:

- hello - invalid

- hello - invalid

- poll number - invalid

num - - valid

 $\dots$  " < c end L; keywood & variable: colon so blue as V. keywor from y variable or this on Brits store क्षा भाषित्व । व्यव स्ट्रिक मह V. श्रीकिर वर्ग (क्रिक श्राह्म श्रव such as: Int (Invadid) ogna - arigi,

long int (valid)

Structured programming language Concert chien as budged anning fragueste. \$ 5-Investimed programing language: structured programming language is used to solve a large problem by dividing the problem into smaller structural blocks. down ordines. Sames gestrob of De cision it-else making else if scuitch - cases HOEKS spoupre for loops on pong love! bym > Repetitive while-loop goed 1 daily & blocks 1999: 121 \* function balancias tracido + Juh noutines procedures y Complete Bused. \*C' is structured programming language.