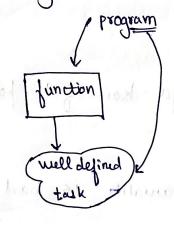
Why functions?

to avoid lengthy - or Bulky - code.

. Not Reusing

1)

- · Buggy code ko htan k lige
- · They provide readilility



Mepal

Noid print Name () {

int n;

cout «"Enter value of n" « end);

cin>>n;

for circl i=0; i<n; i++X

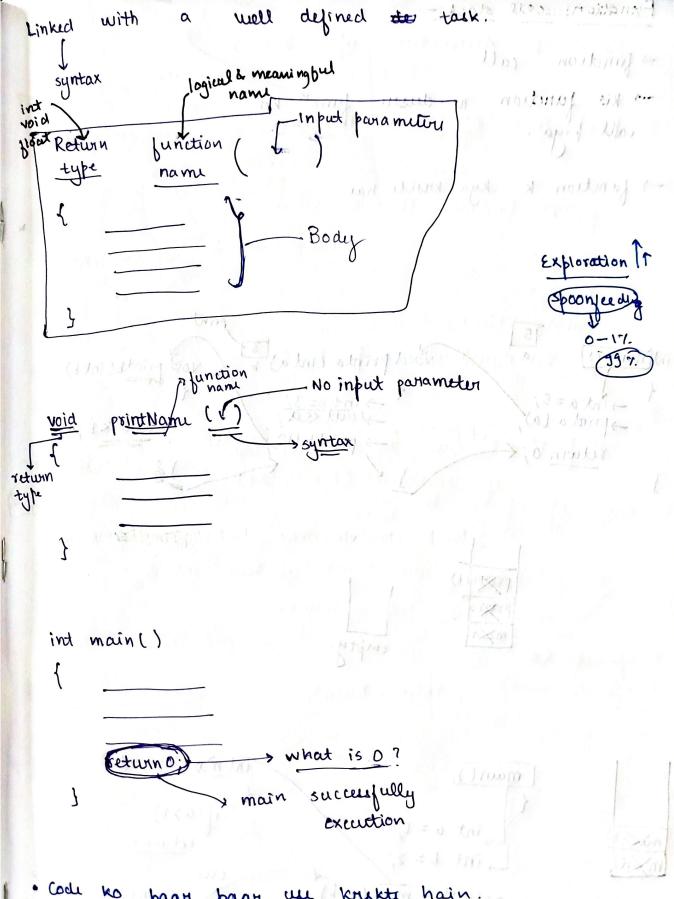
cout «"Akehot" « end);
}

int main () {

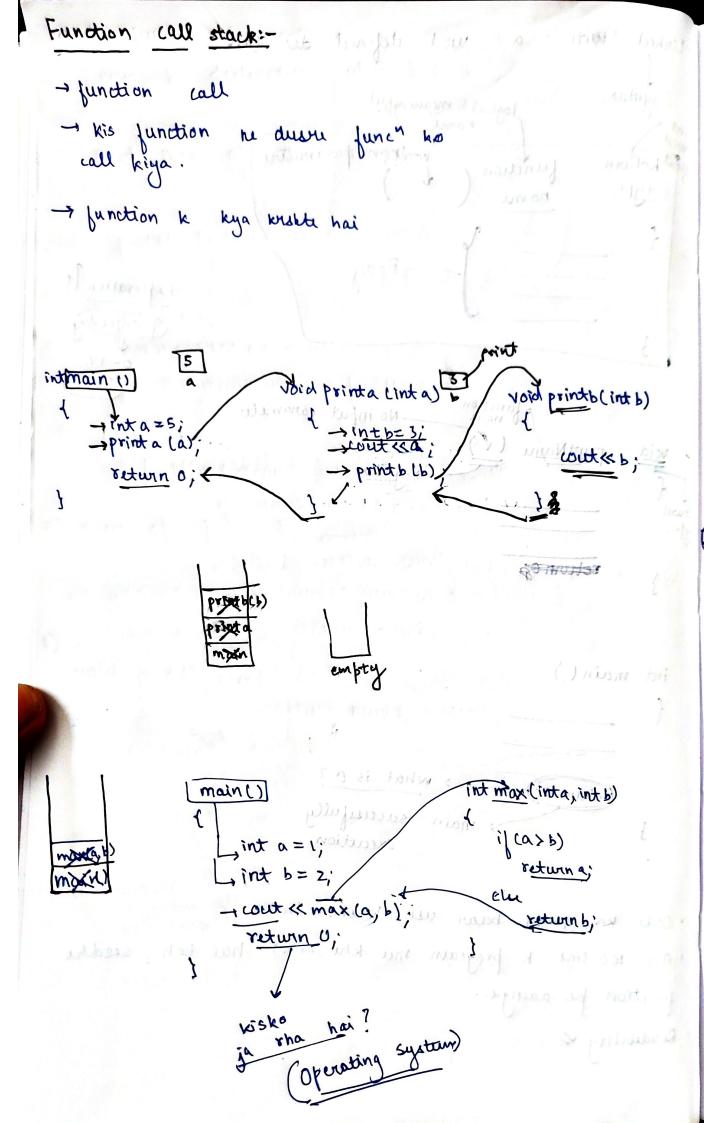
// function call

print Name(),

return 0;



- · Code ko baar baar we krokte hain.
- · Agr 100 line k program mei khi error hai toh, seedhe function pe assenge.
- · Readibility /



```
, junction
                                      hota hai! nothing ild int
                       to ductionation upon both to
  Pass by value - s (copy mote hoge) actual value pau nhi
                                                         hogi
    void print Number (int num) {
               cout « num « end);
                      ( France for some start start for I sold from
     int main ()
          inthem= 5;
          print Num (a);
     7
                     and find Mix Carterium, int nume, not numely
 1) function
            to add two Numbers
First main () {
    int a;
    couter" Enter value of a "«end!;
                           return num2;
     int b;
    cout «" Enter value of b" «ende;
                                                 Enter value of a: 3
Enter value of b: 4
     cin> bi
     int sum = add (a, b); =
      cout & sum & endl;
      でまる。一般ない
 vaid print Number (int num) {
           out « numerende;
      add (int a, int b) {
             result = a + b;
         neturn result;
```

kui bhi junction ko call, invoke krine k lige une funce ki decleration upon kahi ho.

China Demina or thous

2) Find max of three numbers. In I red multiple

find Max (int num), int num2, int num 3);
int main () {
int a, b, c;
cin >> a>> b>> c;

int maximumNumber = find Max(a,b,c);
cout « maximumNumber;

int find Max Cintnum, int numz, int numz) {

if (num 1>mum 2 & 2 num 1> numz) {

return num!;
che if (num2>num1 de mum2>num3){

return num2;

value of to endl

eluf

return num 3;

```
To write first N no.s.
void print counting (int n) (
         | or (int i=0; i<=n; i++){
                 cout << i « ";
          wutkendl;
}
int main ()d
      W two
       cin>>n;
                    their finationade = get birade (marks);
       print counting (n); Ibro > ibond lamy > too
                                             O Multer
      return 0;
                       E) sum of first N Even No.5.
Grade Problems
                                          int getsum (int in)
    getCroade lint marks){
Chan
                                          io = mus tox
                       Y(+1) (1=>) (5=) 10)
       if (marks >= 90)
             return 'A';
       else if (marks >= 80)
                                 int get Even sum (int n)
             return B;
       elu if (marks > = 70)
             return (c); = 1 ; 11 = 21 ; s=1 bir) rol
       ele if (marts >= 60)
             return Di tomus = mus
       du
                                 HUIS HILL EURIL
             return 'F ?
```

```
2
```

int main() {

int main() {

int marks;

cout «

cin >> marks;

char final aradu = get aradulmanks);

cout « final aradu « endl;

return o;

}

5) sum of first N even hors.

int get sum (int n) {

Note that the second of the se

int getsum (int in) {

int sum = 0;

for that i=2; i <= n; i++) {

(08 = < 15 mm)

A multiple

int get Euun sum (int n) {

int sum = 0;

for (int i = 2; i <= n; i = i + 2)

sum = sum + i;
}

return sum;

Ì

int main()4

```
int n;

cout «" Enten the value " « endl;

cin >> n;

int ans = get Euensum (n);

cout «" Euen sum is: " « endl;

return 0;
```

614

Euter value of n 10 Even sum is 30

1. - operator heavy operation kuta hai,