CPP-OS * Generic Porograming > Separate algorithm, - Gim the data tope. => Chemesic porogramming uses Kogward template. Graple template Ltoponan. T, toponan. S> T function (Const Tk Vanit, const Sk vanus) { Torond = Vant; notur onwell; => Templeto are word for moto programming => If we create My (landing) and My Clarotflood the Compiler Will gounds two different classes with appropried typo instead of templete parameter. => Declare in NAME. h file . implement in NAME hop file, add #include INAME hops in the end of NAME. h.

- * Iterchons

 STL wer iterations to access
 data in Containers:

 * Essoon hadling with exceptions

 To we exception use # include 25tdercept)

 * throwexception
 - if (bad Event) !

 Stoing msg = "specific even stoing";

 throw ountime-error (msg);

-> Logic Enon

Lan error in logic af the usur)

- * Catch excaptions
 - "Catch" ! !.
- => Use tony-catch to cotch exception

```
tors {
        x = Some Ursefo Fraitio (a,b,c)
       catch (onuntime-error kex) {
          Cen << ex. Whd();
PH
       Catch (lossic_error kar) {
        Can << ex. what();
       Catch (...) ] //all ofman
        Con ZZ" Unknown";
  => GOOGLE-STYLE -> Don't use exceptions
  * Porogram in pet paramete.
  => Allow passing arguments to the binars,
  => int main ('Int anga, chan const* anguE3);
  =) ange => defines number of imput parameters
  = angu = is an away of string parameter.
     default
        cus(==)
        angue ' L'brang_poth>"
```

* Using for type alicsing Using NewTope = oldTope => Type is available in the Scope of declaration