

GENERIC SUBPROGRAMS

- A generic subprograms is a subprogram which have parametric polymorphism.
- A generic subprogram can accept different types of values of same single memory location.
- Parametrically polymorphic subprograms are often called generic subprograms.
- C++ provide a kind of compile-time parametric polymorphism.

For example Generic Functions in C++:

```
template <class Type>
void show(Type a) {
    cout<<a;
}
void main()
{
    show(10);
    show(10.2);
    show('c');
}
```

Lecture video on Generic Subprograms

References:

1. Sebesta, "Concept of programming Language", Pearson Edu
2. Loudon, "Programming Languages: Principles & Practices", Cengage Learning
3. Tucker, "Programming Languages: Principles and paradigms", Tata McGraw -Hill.
4. E Horowitz, "Programming Languages", 2nd Edition, Addison Wesley

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