Homework Solutions of 7th April 2023

Q1 Difference between compile time & run time polymorphism.

	Compile time	Run time
1)	In this the call is resolved by the compiler.	In this the call is not resolved by compiler.
2)	It is also known as static binding, early binding & overloading.	It is also known as dyanamic or late binding, overriding.
3)	It is achieved by function & operator overloading	It is achieved by virtual functions & pointers.
4)	It provides fast execution because method that needs to be executed is known early at compile time.	It is slow as compared to early binding as method that needs to be executed is known at run time.
5)	Compile time polymorphism is less flexible as all things execute at compile time	It is more flexible as all things execute at run time.
6)	Inheritance is not involved.	Inheritance is involved.