	COEN79 Assignment 0		
QI:	Derimitive / standard data types, which include:		
	Oprimitive / standard data types which include:		
	· int, char, float, double, boolean, void, W-char		
	2) User-defined/datatypes		
ż	· typedef, enumeration, class/object, structure.		
water to y	data types are important	because they tell us what kind	
¢.	data types are important because they tell us what kind of data we are working with. Since every data type has		
	its own structure characteristics and behaviors, knowing		
1 1 16	its own structure, characteristics, and behaviors, knowing which type a data is allows us to gain access and perform		
	alabethms on it accordingly will continue		
T .	Le - Doc the off cations because of the different		
) - 0	The range of The state of the s		
	1		
	a hig class, which will he	p with organization and clarity.	
	•		
QZ:	procedure programming	Object-Oriented programming	
	· programs divided into	programs divided into objects	
	functions/procedures		
	· follows top-down approach	· follows bottom - up approach	
	· difficult to add new	· Lasy wall rev for Cons	
	functions	based on hierarchy in the classes	
	· less secure with data	· more secure with data	
	· Have to rewrite	· minimize development time of	
	every line for modification	future Objects	
	· Limited application to	· Generally uses concept of the	
1	the real world	real world.	

Q3: Evolution	of a star	
	Star	
	Cloud of gas and dust	
	Hydrogen and Helium Core	Low-Mass star
tiny-Mass star	1	· Everything from protostar
· Everything from Protestor	Protostar	with mass of 13 Jupiter masses
·with mass < 0.8 M	Everything from star	
4	·Nuclear fusion	Red Giant
Brown Dwarf	·temperature rise	· Every thing from Protostar
· Every thing from tiny-Mass	· Coreshrink, start to shine	· Itelium runs out
· fusion enery slowly *	Latin of the Marie	·Star expands and cools
burns the core	High-Mass Star	· core collapses and heads up
· Not enough energy	· Everything from protostar	
Produced to push	· With mass larger than sun	
layer out	\	Planetary Nebula
	Blue SuperGiant	Everything from Red Giant
	· Everything from High-Mass	Outer layer ejected
	· Changesin Structure/material	· layer leftovers form a shell
	of the core from He to	
	He, C, O, Ne, Si, and Fe	White DWarf
	· changesfusion types	Everything from planetary Nebula
		· glow frantly with last fuel
Superno		·Final Stage of the Star
· Everything from		UPERN
· Outer layer bo		
the core to cre	cate explosion • Helium fusion storts	
· All elements an	e ejected . Gravity collapse o	n
. ^	one point after	
Neutransto	Supernala Explosió	on .
· Everything from	SuperNova · remnant of explo	Sion
· protos and elect		
combined to fo		
· remnant of explo		