Name: Hamood Ahmed SECTION: A class. Soft-Ware Enlineer DATE:04-11-19 Roll No: 19B-049-SE WEEK I Lecture 1 What are the features of Object Oriented Languages? There are three major features in Ans Object - Oriented programming that makes them different than non-OOP languages; This includes encapsulation, inheritance and polymorphism Encapsulation Enforces Modularity. Encapsulation refers to the creation of self-contained modules that bind Processing functions to the data. These User le défined data-types are called " classes" and one instance of a class is an object Polymorphosim Takes any Shape: Object-Oriented Programming allows Procedures about objects to be created whose extract exact type is not known until run-time. It also allows he new shapes to be easily integrated. OBJECT-ORIENTED PROGRAMMING LANGUAGES: In the 1970's XeroX's small talk was the first object-oriented programming language which was used to create the graphical user interface. Today, c++ and Python are object - Popular object

What are the features of Structural anguages? of the programming languages uses Structure Programming anguage features such as ALGOL. PL/I, Ada, C etc. The structure Programming enforces to the program being 109ical structure to make it more efficient and easy to modify and understand Structured Hogramming/Sometimes known as modular Programming) Subset of Procedural programming languages that enforces on the program Stry Structure being Written to make efficient and easier to modify. Certain languages such da Trascal and b abase JBASE are designed with features or enforce a logical program structure What are the features of procedura Languages language is aimed of Programming Parad Paradigm aimed at improving clarity and quality It improves development time of

a computer program by making extensive use of structured control flow of selection and repetition. Q-3 What are the features of procedural languages? Procedural Programming is good for General purpose Programming. It provides coded simplicity along with ease of implementation of compiles compiles and interpreters. By Procedural language code can be teused in different parts of Program without copying it by procedures call or functions. Ther program How can be tracked easily Some of the features of computer Procedural languages are: Predefined functions, forat local variables, global Variables, Parameter Passing, modularity , Procedures, Programming libraries and procedural programming paradigm. Programming languages based on built for Procedural programming put emphasis on flow control structures. Procedural on flow control Programming is a for programming Paradigm derived from structured programming based on the concept of procedure call Procedure also known as routines routines, subroutines of functions simply contains a series of computational steps to be carried

Qy	Illustrate the d	ifference between
	Assembler and	(pmpiler.
	ASSEMBLER	COMPILER
\-	AGGembler is a	The Job of the
	computer program	compiler is to take
	that takes the	the pre-processed
		code source code
k -	generated by the	and translates it
-	concrated by the	es into the assembly
- 1	it into the machine	code.
	,	Coac
0	Code.	Compiler inputs the
2-	Assembler inputs	Source code
	the assembly	_
7	language code.	The output of the
3-	The output of	compiler is a mnemonic
	assembler is a	Version of the
<u> </u>	binary code.	code
4-	places of accomple	- Phases of the compiler
	are the first phase	A .
	and the second	analyzer, syntax
	phase	analyzer, a code
	Phuse	optimizer, 54m bol table
		and error handler
5-	The Assembler is	The language processor
11-	used to translate	
	the program	Source program Written in
	Little " Accembly	High lavor language and
	Tanguage into machin	translates in to an equivalent program in machine language
	Cod ~.	is called as compiler.