		GURU GOBIND SINGH FOUNDATION ROLL VIECUNIC Page:
		POLYTECHNIC / DEGREE Date:
	7 17	Practica No.3
		Title: Creating an application is salesforce com
		using spex programming language.
	5.0	
		Objectives:
		· To learn salesforce cloud administration.
	1:	· To create application is saleforce com using Aper
	4	p
	3.1	100 100 for 100 100 100 100 100 100 100 100 100 10
		Hardware Requirement: Penhum TV with the latest
		Configuration.
	1 10	Software Requirement: Ubuntu 20.04, web application
	r arts	1. e. Salefforce, tom, comments in a second
₹_		What is Apex?  Apex in proprietary language developed by
		According proporetant language developed by
		anue for a com as per official definition, Aper 15
		a strongly typed, object-oriented programming language that allows developers to execute flow and transaction with (alls to force com APT.
		Language that allows developers to execute from
		and transaction with calls to force com APT.
		It has a Java-like syntax and acts like
		De hous a Java-like Syntax and acts like dutabase stored procedures. It encebus clevelopers
	1.1	to add business logic to most system events, including button clicks perated record updates, and visual form pages. Apex is included in
	1111.	including button clicks i related record updates,
191	ti V	and visual force pages. Apex 15 included in
Υ.		

	GURU GOBIND SINGH FOUNDATION Page:  POLYTECHNIC / DEGREE Date:
	performance Edition, Enterprise Edition and Developer edition.
· ·	
	Features of Aper as a language
	to to be a some bell built in
	and also prof. Exuption handling.
	The hold support for inline ca code & con
	101111101 halpallia a librib Cabachi Cal
	The solution of the solution o
	For (x) rapidly declaration to use Inc. 3 Java.
	For ex, variable declaretion, loop syntax and
	conditional statements.
4 1	1 STYONGIO THEATERED WITH DOLL
10 0 1	The dilatity and and along
1	statements on Date base.
71/1	The Dotton of Mini when the second of the
	1 31 0 1 0 1 1 1 1 1 1 2 2
7 x x44 13 3	Apex is a strongly typed language. It
2 Winter	Apex is a strongly typed language. It uses direct reference to scheme objects live object and any invalid reference quickly fails
	if it is ducted on if it is of woney date type
	or wone data type

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1	· Multileneint Environment
	Apex runs in a multilenant invironment
	consequently. A pex runtime engine is descend to
- 1	gaard Closely against runaway (ode, previoling
12.2	it from monopolizing shared resources
	· upgradu Automatically
	Apex is upgraded as port of solestoree releases. We don't have to upgrade it manua
	releases. We don't have to upgrade it manua
	· ·
	Easy resting:
	Apex provides built-in support for unit to
	Creation and execution, including test result
	that indicate how much code is covered &
	which parts of your code can be more efficien
	when should Developer choose Apex ?
	Aprix Should be used when we are not abl
	to implement complex business functionality using
	pre-built and existing but of box functionalities
	Don O Lie Airon
	Apex Applications:
	i Create in the armine with a considerate to in
	Systems create email services with for email be
	or em eils extup
	: perform complex validation over multiple object
	at some time and also custom validation implemen
	The Tailor Will College

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and Varia	· Create wistom transactional		
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		· variation	
3 /	working structure of Apex		
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Mar Vi			

## GURU GOBIND SINGH FOUNDATION POLYTECHNIC / DEGREE Date Trow of actions There are hop sequence of achons when divelopers saves code and when an end user performs some action which invokes appear Developer Actions when a developer writes and saves Apex cods to platform the platform application server first compiler code into asct of instructions that can be understood by Apex number interpretor, and then saver those instructions as metadata. End user Action by dicking a button or accessing a visual force page, pratform application server retrieves compile instructions from metaldata and sinds them through runtime interpoten before return results. Com, it does not support some feature, which as general programming language does following are the same reature which Aper does not support · It cannot show elements in user Interface · You cannot thanot change standard SEDE provided functionality and also it is not possible to prevent standard functionality execution.

1

	GURU GOBIND SINGH FOUNDATION Page:  Page:  Date:
	· Cocating multiple threads is also not possible as we can do it in other langue
	Apex code typically contains many things that we might be familian with from other programming languages.
Property of	variable Declaration.  As Strongly typed language, you must dulor every variable with data type in Apex. As sun in code below (as below). 1st Acc in declared with data types as list of Accounts.
TON SOME OF THE PROPERTY OF TH	Soll Query.  This will be used to fatch data from Salesforce database The query shown in Screenshot below is fetching date from Account object.
	This loop statement is used for iterating over a list or iterating over a piece of wide
e(i^-/////	aid many and it maintained heart and and it

The If statement is used for how condition, it is this water bassed an artain condition, it is decided whether to go for execution or to stop execution for of partice of code. For ex. in water it is contains records whether list is empty or it contains records.  DML statement.  Performs record insert, updata, insert, a appraision on reword in detabase for ix, the conference of the principle of all editions, lue can use any of four three looks to durlop code.  Forecom perelaper tonside.  Forecom perelaper tonside.  Condusion:  Thus we have created an application in Sects. Force using a per programming languar.	CF	COLYTECHNIC / DEGREE Date:
The If statement is used for frow con in this code based on certain condition, it is cledided whether to go for execution or to stop execution for of particular of code of code. For ex in code it is the whether list is empty or it contains records operation on records in detailuse for ex, the contraint on the price of particular insert, appearance on records in detailuse for ex, the contraint on records in detailuse for ex, the contraint of the price of the price of the price of the contraint of the price of the contraint of the code of the	-	Date ;
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execution or to stop execution for of partice piece of code for ex. in code , it is chec whether list is empty or it contains records  DML statement.  Performs records infert, updata, insert, o aptration on rewords in database for ex, the c given help in updating accounts with new field value.  Apex code Development Tools.  In all editions, we can use any of four three lools to develop code:  force com perlaper tonsole.  force com perlaper tonsole.  Code Editor in Sales force user interface.  Condusion:  Thur we have matted an application is Sales force using a pex programming languar		in this code based on contract to addition to
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		Source Commencer and appropriate language