PL/SQL includes procedural language elements
such as conditions \$ Loops. It allows declarations
of contracts of variable. It handle exceptions (nuntime error) > Increase the expressioners of spl > Process query result in a typic-oriented way > optimize combined SQL statement > perelop modular database cipple programs , Reuse program code. > Reduce code for maintaining 1 appl? · Advantages of PL/SQL + Support for sql support all the functionalities of sql - Efficient database handling. a) Reduces overheads to improve performance 2) prisgl is a block structure language a) Higher productivity S) Portable, Apply unitten in Plys of are Portable to any computer hardware

Lab Assignment No-5

Unnomed PL/SQL code black: Use of control
Shucture of Except handling is mandatory.
White a PL/SQL black of code for following
regumment schema

Bonouer (Kell-no, Name, Pate of Isrue, Name of Book,
Status)

ex Fine (Rolling, Pate, Amt)

- Accept rolling frame of book from User check the no of days (from date of issue).

If days are been 15 to 30 then fine amount will be Rs 5 per day.

- If no of days > 36 per day fine will be Rr50.

- After submitting the book, status will change from I to R.

- If condition of fine is the then details will be stored into fine table

· Objectives - Learn the concept of PLISQL

· Theoryt

PL/SGL stands for procedure Language /othecture
pury Language It is the combin of SQL along
with procedural featurer of programming.

		. 3	4	69	3		Title: y
The shuicture of PLISGIL black	The basic unit of cade in any PLSQL program is a block All PLSQL program are composed at blocks. These blacks can be confer sequentially.	The Shutture of PL/SPL program	a) He can handle pre-defined & user-defined enter in thiston Exac are warning of called as exceptions			He can define I we vanish & Constantito Ruge	

Title: Consider Tables 1. Borrower(Roll no. Name, Dateoffssue, Nameoffsook, Status) 2. Fine! B	DECLARE Declaration section REGIN	Exception bandling sections Exception bandling sections	Uhere	Declaration section 1.11g L. variable types, Charms & Local Subpraymont	Executable section. Breeding & 39 statements are written perc. These is the main peet of the block. This section is required.	Exception handling section.	is approved wither it is defined within body or autride body of pregram
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Title 1 C	
	Conditional Statement opeck the validity of a condition of accordingly execute a set of stuting. The conditional statement supported by PLIDLIF
6	M IF THEN ELSE
	Stetement list FN THEN
	Syntax 2 Elife Elife Ento If
	Syntax 3 Syntax 3 Statement 1/1xt ELSE If condition THEN Statement 1/1xt Statement 1/1xt

hoele the minibar of the	Check the number of demonstrate of the chamber of t
ELJE Statem END 1f, END 1f,	Statement list D If, ID IE,
- CARE CAN The brond	CASE Expressions can also be used to control the branching logic within PLIGIL block The general syntax is
	HENCEX pression > THEN SHOTEMENTS >
	ELUSE CAPCHEMENTS); END CASE;
Beguer Holen execu END	Here expression in LIHEN clause is evaluated sequentially. When result of expression is TRUE then corresponding set of statement are executable & program flow goes to END CASE.

	TERRITYE CONSTRUCTS are used to execuse a feel of stating the property. The jerative constructs of stating the lower of stating toop of simple loop.	Simple loop's the simplent iterative considered to has syntax like leap statement to an endless hap exclisive a checking for a condition to be a so it is an endless hap expected to the part of the condition of the END IF; END IS STATE END IF; END IS Sooth here is executable statement lists Exist END IS to be the condition of
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	to the set of se			ber of Herotran for last & LINTLE Load	Agh - High	Importance & Implementation of	
	The loop is executed and evaluates to TRUE			iteration for large of LINITE advance. The number of de on leap inshitton. The to have a definite no of item	anger	elemen	
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Company of		LHILE Condition Loap Statements		advance The rumber to on loop and institution		Imps	
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	The LIHTLE Loop is condition of seperately long as the condition	Statem Statem Statem	The for Loop-	not known in eretion depen of can be used	For Loap County Bound Leop Statements END Loop	Pl. bl	١
	The The Condition	Syntax H	The	The Num is not kno iteration Leaf Can Suprax it		Conclusion: Le bave studied PLISPL block	
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