Took no: 700 PL/SOL Procedures and functions. Date 23 125 Aim' To implement PL/SOL procedures, Furctions and loops on number theory and business Scenarios PL/SQL is a Combination of SQL along with the Procedural features of programming languages It was developed by arrode corporation in the early go's to enhance the capabilities of sal. PLISAL is one, there key programing languages embeddad in orade database along with Sat itself and Java Simple problem to print a sentence. Syntan. DECLARG < declaration Sections BEGIN Ctrecutable Sections Exception K Saception handlings GNO . Program DECLARG Message vorcharzon: - i heoling closed! BEGIN dbms_output.pul_ling(message) END .

Dynamic Enput: Set Serveroutput on DECLARG x number (1). Y number(5): 2 number (9): BEGIN X:=10: 1:= (2) 2 - = x +4: dbms_output.put_line('Sum is'112). ENID. output: Symis 22. DECLARE VARI integer. var 2 anteger var 3 integer. BEGIN Var 1 := & var 1. varz: = starz: vars /= Var 1+Varz. dbms-oulput/ pul- line (vors): end ' Enter values for vari 20 019 p. , Auri = 8 Aoui! new 6: vor1: = 20; Enter value for vorz:30 0/91; nav 5: - 8 Nav 5 new 7: var 2: = 3000

50 DECLARE Rd Number (3): =100; BEGIN ff (Mid=10) then dbms-output-put-lin (value of hid is 10) else if (hid = 20) then doms output put-line (Value of kid is sol) else of (Nid = 30) then dbms-output.put_fine ('value of hid is 30'); dbms-output-put-tine ("None of the values erse is modeling!) end if; & dbm - output put - tin ('tx oct value of his is: 111had). END; output More of the values is matching Exact value of hid is 100 DECLARE hid number () Old number (1). BEGIN C Couter-loopsx For hid in 1.1.3 loop << Inner-100ps> For old in 1 ... 3 loop dbms-output put in 1633 85 1/1881/m. the drawn of the dis END loop conex loop END loop outer -loops IND'

the life type of the hotel. Ked the standard has b total the board of a tall and bitd the '2 and old the ! had the e and end the : e bid to 12 and old this ATH TAILS and end Tail bid This and old Tais Mid to sand old to 3 frogram for only procedure creat or replace procedure conformation e and in number a many in varichar 25 13 begin dbow. output put - Pino (150: "1105d). dems. output put 19n1 (Nome. 110-name) end' Procedure Created exec esplormation (101, 1 mm). PLISOL Procedure Sucrenfully completed Set serverousput on. exec estinformation (101, 'ram'); 201101 Name nam. Program for July functions. Creaty or report function esinformation Ch-Sa no number, comume invarences) neturn varchariz ma. Brain 91 (.98 >200 (Kin) Petuno ('no booking auditable) CISE

Eneduro (booking open); TNIDTE CALD; function created DECLARE Mesq: = csinformation 2 (102; ' vam'); all ms out put, put - line (mesg); end; output! booking open declare mesg varchar 2 (200) Degin misg: = conformation 2 (206, ram') dbms-output put time (mesg); Output no booking available.

10st: 7(b)
Dati: 23-09-25
PLISAL LOOPS.
Procedure:
-> start a PL (SQL black or procedure)
suse a cursor (if required) to fetch austomy
Dos from a table.
-> for each ID, check whether it is a prime
number using a loop.
Prime number checking.
-> Print the result using dbme output pul-
lene.
-> End the block.
using while loop with curson
Creation replace procedure print primi austomis
cursos cust-cur ?3
Select customin ? 1
Select customer id from customere.
V-PS-prime Boolean.
N-i Number.
BEGIN:
open eust-cur:
100p
Fetch cust a s
Fetch cust-cur into vaid;
Di Vid Co II Not found
The b
V-7-prim: - realse;
v-9s point viva
While var a strained over Novalle
17 MCON 12 V-11- 6 1000

Viss prime : = false; EXIT, END RAY V=11 = V=141; EMDloop', ENDIF. If v-1s-prime THEN dbms-output put - 15m (prem customs DD: 11 V 976) END It. END100P. close-cust-curi IND. Procedure closed. using for loop for first Names prim number Create on replace procedure print first n. Parimes (n numbers) Is V-num Number: =2. v-count Number := 0 V-PS-prime Booleani BEGIN while v- count entoop V-9s-prome = TRUE. for PIN X, TRUNC(Sort (V-num)) loop II mod (v-num, T)=0 THEN N-9s-prime : = PALSE ENDEC. END loop. V - 95 - Promo High dbons outpert but the C'prine: "Il vanismo";

END! Procedure Created. En: Begin PRINT-PIRST- n- PARMES (10). End' output! Promi 2 Prime: 3 Parime: 5 Prime: 7 Prime: 11 Por.m. 13 Prim. 17 Prim: 19 Prim: 23 Primi 29 VEL TECH EX NO PERFORMANCE (5) RESULT AND ANALYS'S (5) VIVA VOCE (5) RECORD (5) TOTAL (20) SIGH WITH I Result: The PLISQL procedure functions on a loops were successfully implemented.

V-Count 12 V- County 1)

v. num' = v. num+1.

CNOTE

ENDIDOR;