VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS) (Affiliated to Osmania University)

	DEPARTMENT OF : CSE
	NAME OF THE LABORATORY : DBMS Name K'S'I'SIVANI Roll No052 Page No. 67
	WEEK-8 PLISQL PROGRAMS:
り	Woute a PL/SQL block to check the given number is even (or) odd: DECLARE num number(5); rem number; Number 12 is even BEGIN num:=8num;
	rem:=mod(num,2); if rem=0 then dbms_output.put_line ('Number' num ' is Even'); else dbms_output.put_line ('Number' num 'is Odd'); end if: end;

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2)	Woult a PLISQL block to find sum of digits of
	a given number:
	DECLARE
	num number (5); OIP:
•	rem number (5); Enter value for num: 121
	sm number(s):=0",
	num 1 number (5); Sum of digits of 121 is:4
	DEGIN
	num:=#
	num1:=num;
	While (num>0)
	loop
	9em:=mod(num,10);
	sm:=sm+rem;
	num: = trunc (num/10);
	end loop;
	dbms_output-line ('Sum of digits of '11 num 11)
	'is: * sm);
	end;

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NAME OF THE	HE LABORATORY : DBN ROII No 052_		,9_
Write a PLISQL blo	ck to find the t	actorial of a g	iven
number:		V	
DECLARE	Olp:		Management and any second section of
num number(s);		alue for num:	
fact number(s);=	el; Enter (1)		
k number(5);	Factorial	ob 7 is 504	0,
BEGIN			
num; = & num;			
k:=num;			
While (num>0)			
loop			
fact := fact * num	15		
num:=num-1;			
end loop;			
abms_output.put.	-line (Factorial	of IIklis	fa
end;			
물이 되면서 경면 가장이다고 있는 네스티를하다가 되는 때문			

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NAME OF THE LABORATORY : DBMS Name K'S. I' SIVANI Roll No. <u>-052</u> Page No. Write a PL/SQL block to generate Fibonacci Series: DECLARE num number (5); Enter Value for num: 8 f1 number(5); =0; The Fibonacci Leviles is. f2 number(5):=1; f3 number(5); number (5):=3; BEGIN num: = & num; dbms_output.put_line ('The Fibonacci Series is:'); dbms_ output put_line (f1); dbms_output.put_line (f2); while (ix=num) loop f3: = f1 + f2) dbms_output-put_line(f3); f1: = f2; $f_{2}' = f_{3}'$ 1:=1+1) end loop; end;

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Name K.S.I.SIVANI Roll No. -052 Page No.

Write a PLISQL program to check number is prime (or) not:

DECLARE

num Integer: = 23; is Prime BOOLEAN := TRUE

DECLARE

num Inumber (5);

number (5):=2;

c number (5):=0;

BEGIN

num: = & num;

while ix num

LOOP

if mod (num, i) = 0.

then

C:=1; EXIT;

endisi; end loop;

if c=0 then

dbms-output-put_line ('Number 'Il numll' is Prime')

dbms_output-put_line ('Number' 11 num! is not Prime');

end if; end;

Output;

Enter value for num: 7

Number 7 is prime

Enter value for num: 9

Number 9 is not prime.

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6) Write a PLISQL program to check palindrome:

DECLARE

num number (5);

new number (5):=0;

rem number (5):=0)

k number (5);

BEGIN

num:=#

k:=num;

while (KI = 0)

Loop

Yem: = mod (k, 10);

new: = new * 10+ rem;

K: = TRUNC (K/10) ;

end loop's

4 new = num.

then

abons_output-put_line ('Number | Inum! is a Palindrome');

else

dbms_output.put_line('Number'llnumll' is not a Palindsome');

end it;

Olp:

Enter value for num: 12321

Number 12321 is a

palindrome.

Enter value for num: 52

Number 52 is not

a palindrome.

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(F	Write PLISAL program to check Armstrongnumber
	DECLARE
	num number (5);
	new number (5):=0;
	rem number (5):=0; (Lutput:
	k number (5); Enter value for num:
	BEGIN Dum: = & Dum; 153 is an armstrong
	num:=#
	K:=num;
	While (K)=0) Enter value for num:4
	loop $rem:=mod(k,10)$: 4 is not an
	new:=new + POWER (rem, 3); armstrongnumber.
	K:=TRUNC(K/10);
	end loop;
	is new-num then
	dbms_output.put_line(num!1 is an armstrong number
	else dbms_output-line(num! is not an armstrong num!
	All the control of th
	end it;
	end;

