Assignment

March23/ DBT/126.1

Database Technologies

Diploma in Advance Computing

March 2023

**Procedure**

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| 1. Write a procedure to accept a string and print all characters in separate lines.   Input: - Ram  Output: - R  a  m |
| drop procedure if exists pro1;  delimiter $  create procedure pro1(str varchar(20))  begin  declare x int;  set x=length(str);  lbl:loop  select left(right(str,x),1);  set x=x-1;  if x<=0 then  leave lbl;  end if;  end loop lbl;  end $  delimiter ; |
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| 1. Write a procedure to accept a string and print every character separated by a comm sign.   Input: - SALEEL  Output: - S, A, L, E, E, L |
| drop procedure if exists pro1;  delimiter $  create procedure pro1(str varchar(20))  begin  declare x int default 0;  declare y int default 1;  drop procedure if exists pro1;  delimiter $  create procedure pro1(str varchar(20))  begin  declare str1 varchar(20) default '';  declare str2 varchar(20) default '';  declare x int;  declare y int default 1;  set x=length(str);  lbl:loop  set str1=left(right(str,x),1);  if y=1 then  set str2 = concat(str2,str1);  else  set str2 = concat(str2, ',',str1);  end if;  set y=y+1;  set x=x-1;  if x<=0 then  leave lbl;  end if;  end loop lbl;  select str2;  end $  delimiter ; |
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| 1. Write a procedure to accept an alpha numeric string and separate number and characters of the string.   Input: - SAL1234EEL  Output: - SALEEL  1234 |
| drop procedure if exists pro1;  delimiter $  create procedure pro1(str varchar(20))  begin  declare x int default 0;  declare y int default 1;  drop procedure if exists pro1;  delimiter $  create procedure pro1(str varchar(20))  begin  declare str1 varchar(20) default '';  declare str2 varchar(20) default '';  declare str3 varchar(20) default '';  declare x int;  declare y int default 1;  set x=length(str);  lbl:loop  set str1=left(right(str,x),1);  select str1;  if (ascii(str1)) >65 then  set str2= concat(str2,str1);  else  set str3= concat(str3, str1);  end if;  set x=x-1;  if x<=0 then  leave lbl;  end if;  end loop lbl;  select str2;  select str3;  end $  delimiter ; |
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| 1. Write a procedure to print all employee name and his job in following format.   Input: - KING PRESIDENT  SCOTT ANALYST  Output: - K(ING) is PRESIDENT  S(COTT) is ANALYST |
| drop procedure if exists pro1;  delimiter $  create procedure pro1()  begin  declare \_ename varchar(20);  declare \_job varchar(20);  declare str3 varchar(20);  declare str1 varchar(20);  declare str2 varchar(40);  declare x int default 0;  declare c1 cursor for select ename, job from emp;  open c1;  lbl:loop  fetch c1 into \_ename, \_job;  set str3= \_ename;  set x=length(str3);  set str1= (concat(substr(str3,1,1),'(',substr(str3,2,x-1),')'));  set str2= concat(str1, ' is [',\_job,']');  select str2;  end loop lbl;  close c1;  end $  delimiter ; |
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| 1. Write a procedure to print all upper and lower characters separately.   Input: - AbCdEfG  Output: - ACEG  bdf |
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| 1. Write a procedure to find the number of vowels, digits and white spaces |
| Code 2:  drop procedure if exists pro1;  delimiter $  create procedure pro1(str varchar(20))  BEGIN  declare x int default 0;  declare a int default 0;  declare b int default 0;  declare c int default 0;  declare d int default 0;  set x= length(str);  lbl:LOOP  set d= ascii(substr(str,x,1));  if d in (97,101,105,111,117) then  set a=a+1;  elseif d between 48 and 57 THEN  set b=b+1;  elseif d=32 then  set c=c+1;  end if;  set x=x-1;  if x<=0 then  leave lbl;  end if;  end loop lbl;  select "no of vowels", a;  select "no of digits", b;  select "no of spaces", c;  end $  delimiter ;  code 2:  drop procedure if exists pro1;  delimiter $  create procedure pro1(str varchar(20))  BEGIN  declare x int default 0;  declare a int default 0;  declare b int default 0;  declare c int default 0;  declare d int default 0;  set x = length(str);  lbl:LOOP  set d = ascii(substr(str,x,1));  case  when d in (97,101,105,111,117) then  set a=a+1;  when d between 48 and 57 THEN  set b=b+1;  when d=32 then  set c=c+1;  else  set b=b;  end case;    set x=x-1;  if x<=0 then  leave lbl;  end if;    end loop lbl;  select "no of vowels", a;  select "no of digits", b;  select "no of spaces", c;  end $  delimiter ; |
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| 1. Write a procedure to remove all characters in a string except alphabets   Input: - saleel.bagde123@gmail.com  Output: - saleelbagdegmailcom |
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| 1. Write a procedure to insert 10 rows in a table having following columns (using loop).   R (id int, message varchar(20)).  Output: -  id message  ---- -----------  1 i is odd  2 i is even  3 i is odd  4 i is even  5 i is odd  6 i is even  7 i is odd  8 i is even  9 i is odd  10 i is even |
| drop procedure if exists in1;  delimiter $  create table student2(id int, msg varchar(20));  create procedure in1()  begin  declare x int default 1;  lbl:LOOP  if x%2=0 then  insert into student2 values(x," is even");  else  insert into student2 values(x," is odd");  end if;  set x=x+1;  if x>10 then  leave lbl;  end if;  end loop lbl;  select \* from student2;  drop table student2;  end $  delimiter ; |
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| 1. Write a procedure to print five highest paid employees from the emp table cursor.using |
| drop procedure if exists in1;  delimiter $  create procedure in1()  begin  declare \_ename varchar(20);  declare \_empno ,\_sal int;  declare c1 cursor for select empno, ename,sal from emp order by sal desc limit 5;  open c1;  lbl:loop  fetch c1 into \_empno, \_ename,\_sal;  select \_empno, \_ename,\_sal;  end loop lbl;  close c1;  end $  delimiter ; |
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| 1. Create the following table named (emp10, emp20, and emp30) which have the same structure of emp table.   Write a procedure to split employee records from emp table according to their department numbers and insert those records in the appropriate table using cursor. |
| drop procedure if exists empsort;  create table emp10 like emp;  create table emp20 like emp;  create table emp30 like emp;  create table emp40 like emp;  create table emp50 like emp;  delimiter $  create procedure empsort()  l1:begin  declare \_deptno int;  declare c1 cursor for select deptno from dept;  open c1;  lbl:loop  fetch c1 into \_deptno;  l2:begin  declare \_empno, \_mgr,\_\_deptno,\_sal, \_comm,\_bonusid,\_phone int;  declare \_ename, \_job, \_gender,  declare c2 cursor for select empno, ename, gender, job, mgr,hiredate,sal,comm,deptno,bonusid,'user name', pwd,phone, isactive from emp where deptno=  \_deptno;  open c2;  lbl1:LOOP  fetch  end $  delimiter ; |
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| 1. Write a procedure to display the department number and employee name in the following format.   10 -> (AARAV, THOMAS, CLARK, KING, MILLER)  20 -> (SHARMIN, BANDISH, SMITH, JONES, SCOTT, FRED, ADAMS, FORD)  30 -> (GITA, ALLEN, WARD, MARTIN, BLAKE, TURNER, JAMES, HOFFMAN, GRASS)  40 –> (No employee work in department 40…)  50 -> (VRUSHALI, SANGITA, SUPRIYA) |
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| 1. Write a procedure to accept customer number and display all his order. (Use customers and orders table) |
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| 1. Write a procedure to convert numbers into word   Input: - 45234  Output: - Four Five Two Three Four |
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| 1. Write a procedure to find the sum of digits.   Input: - 5675  Output: - Twenty Three |
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| 1. Write a procedure to find how many “Sundays” are present between two given dates.   Input: - Date1 and Date2  Output: - 3 Sunday’s |
| drop procedure if exists sundays;  delimiter $  create procedure sundays(str1 date, str2 date)  begin  declare count int default 0;  l1:loop  if dayname(str1)='Sunday' THEN  set count=count+1;  end if;  set str1 = str1 + interval 1 day;  if str1>str2 then  leave l1;  end if;  end loop l1;  select "No of Sundays",count;  end $  delimiter ; |
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