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 |
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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 p8;  delimiter $  create procedure p8()  begin  declare x int default 1;  truncate proc8;  lbl : loop  if(x%2=0)  then  insert into proc8 values(x,'i is even');  else  insert into proc8 values(x,'i is odd');  end if;  if x>9  then  leave lbl;  end if;  set x:=x+1;  end loop lbl;  select \* from proc8;  end $  delimiter ; | |  | | 1. Write a procedure to print five highest paid employees from the emp table using cursor. | | drop procedure if exists cr9;  delimiter $  create procedure cr9()  begin  declare \_ename,\_job varchar(20);  declare \_sal int;  declare c1 cursor for select ename,job,sal from emp order by sal desc limit 5;  declare exit handler for 1329 select "Done";  open c1;  lbl : loop  fetch c1 into \_ename,\_job,\_sal;  select \_ename,\_job,\_sal;  end loop lbl;  close c1;  end $  delimiter ; | |  | | 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. | |  | |  | | 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) | |  | |  | | 1. Write a procedure to accept customer number and display all his order. (Use customers and orders table) | |  | |  | | 1. Write a procedure to convert numbers into word   Input: - 45234  Output: - Four Five Two Three Four | |  | |  | | 1. Write a procedure to find the sum of digits.   Input: - 5675  Output: - Twenty Three | |  | |  | | 1. Write a procedure to find how many “Sundays” are present between two given dates.   Input: - Date1 and Date2  Output: - 3 Sunday’s | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |  | |
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