Assignment

Sept23/ DBT/126.1

Database Technologies

Diploma in Advance Computing

September 2023

**Procedure and Function**

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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(name varchar(20))  BEGIN  declare a char;  declare x int;  set x = 0;  lbl:LOOP  set x = x+1;  set @a = substr(name, x, 1);  select @a;    if x>length(name)-1  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(name varchar(20))  BEGIN  declare a varchar(30);  declare x int;  set x = 0;    set @p=" ";  lbl:LOOP  set x = x+1;  set a = substr(name, x, 1);    set @p =concat(@p,a,',');  /\*set a=concat(group\_concat(c.name),",") ;  select a;  select ","; \*/    if x>length(name)-1  then  leave lbl;  end if;  end loop lbl;    SELECT @p;  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(name varchar(20))  BEGIN  declare a varchar(30);  declare x int;  set x = 0;    set @p=" ";  set @q=" ";  lbl:LOOP  set x = x+1;  set a = substr(name, x, 1);    if a between 'a' and 'z' then  set @p =concat(@p,a);  else  set @q = concat(@q,a);  end if;  if x>length(name)-1 then  leave lbl;  end if;  end loop lbl;    SELECT @p;  SELECT @q;  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 |
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| 1. Write a procedure to print all upper and lower characters separately.   Input: - AbCdEfG  Output: - ACEG  bdf |
| drop procedure if exists pro1;  delimiter $  create procedure pro1(name varchar(20))  BEGIN  declare a varchar(30);  declare x int;  set x = 0;    set @p=" ";  set @q=" ";  lbl:LOOP  set x = x+1;  set a = substr(name, x, 1);    if ascii(a) between 65 and 90 then  set @p =concat(@p,a);  else  set @q = concat(@q,a);  end if;  if x>length(name)-1 then  leave lbl;  end if;  end loop lbl;    SELECT @p;  SELECT @q;  end $  delimiter ; |
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| 1. Write a procedure to find the number of vowels, digits and white spaces |
| drop procedure if exists pro1;  delimiter $  create procedure pro1(name varchar(200))  BEGIN  declare a varchar(300);  declare x int;  declare v int;  declare d int;  declare s int;  set x=0;  set v=0;  set d=0;  set s=0;    set @p=0;  set @q=0;  set @r=0;  lbl:LOOP  set x = x+1;  set a = substr(name, x, 1);    if a in ('a','e','i','o','u','A','E','I','O','U') then  set v=v+1;  set @p=v;  end if;    if a between '0' and '9' then  set d=d+1;  set @q=d;  end if;  IF a = ' ' then  set s=s+1;  set @r=s;  end if;  if x>length(name)-1 then  leave lbl;  end if;  end loop lbl;    SELECT @p;  SELECT @q;  SELECT @r;  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 |
| drop procedure if exists pro1;  delimiter $  create procedure pro1(name varchar(200))  BEGIN  declare a varchar(300);  declare x int;  set x = 0;    set @p=" ";  set @q=" ";  lbl:LOOP  set x = x+1;  set a = substr(name, x, 1);    if a between 'a' and 'z' or a between 'A' and 'Z' then  set @p =concat(@p,a);    end if;  if x>length(name)-1 then  leave lbl;  end if;  end loop lbl;    SELECT @p;    end $  delimiter ; |
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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 |
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| 1. Write a procedure to print five highest paid employees from the emp table using cursor. |
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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. |
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| 1. Write a procedure to display the department number and employee name in the following format.   Output: -  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 |
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| 1. Writer a procedure which will accept date and weekday name from the user and print upcoming date on than weekday   Input: - (‘2023-04-26’, ‘Saturday’)  Output: - ‘2023-04-29’ |
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