Assignment

Sept23/ DBT/126.1

Database Technologies

Diploma in Advance Computing

September 2023

**Procedure and Function**

|  |
| --- |
| 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 pro3;  delimiter $  create procedure pro3(name varchar(200))  BEGIN  declare A INTEGER ;  set a=0 ;  lb : LOOP  set a = a+1 ;  SELECT substring(name,a,1);  IF  a>LENGTH(name)-1  THEN  leave lb ;  end if ;  end LOOP lb ;  end $  delimiter ; |
|  |
| 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 pro4;  delimiter $  create procedure pro4(name varchar(200))  BEGIN  declare A INTEGER ;    set a=0;  set @x = " ";  lb : LOOP  set a=a+1 ;  set @x = CONCAT(@x,SUBSTR(name,a,1),",") ;  if  a>LENGTH(name)-1  then  leave lb;  end if ;  end LOOP lb ;  end $  delimiter ; |
|  |
| 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 pro4;  delimiter $  create procedure pro4(name varchar(200))  BEGIN  declare A INTEGER;  set a =0;  set a = a+1;  lb : LOOP  set @z = substring(name,a,1);  if  @z%1 != 0  then  set @x = @z ;  if  a>LENGTH(name)-1  then  leave lb ;  end if ;  end if ;  end loop lb ;  end $  delimiter ; |
|  |
| 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 pro5;  delimiter $  create procedure pro5(name varchar(200), job varchar (200))  BEGIN  set @x = concat(SUBSTR(name,1,1),"(",SUBSTR(name,2,length(name)),")","is",job);  select @x ;  end $  delimiter ; |
|  |
| 1. Write a procedure to print all upper and lower characters separately.   Input: - AbCdEfG  Output: - ACEG  bdf |
| drop procedure if exists pro6;  delimiter $  create procedure pro6(name varchar(200))  BEGIN  declare a INTEGER ;  set a =0;  lb : loop  set a = a+1;  set @z = SUBSTR(name, a, 1);  if (ascii(@z) BETWEEN 65 and 90)  then  select @z as "capital" ;    ELSE  set @p=@z;  select @p;  end if;  if  a>LENGTH(name)-1 then  leave lb;  end if;  end loop lb ;  end $  delimiter ; |
|  |
| 1. Write a procedure to find the number of vowels, digits and white spaces |
|  |
|  |
| 1. Write a procedure to remove all characters in a string except alphabets   Input: - saleel.bagde123@gmail.com  Output: - saleelbagdegmailcom |
|  |
|  |
| 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 |
|  |
|  |
| 1. Write a procedure to print five highest paid employees from the emp table using cursor. |
|  |
|  |
| 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.   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) |
|  |
|  |
| 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 |
|  |
|  |
| 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’ |
|  |
|  |