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( in x varchar(40))  Begin  Declare a int;  Set a:=1;  L1:loop  Select substr(x,a,1);  Set a:=a+1;  If (a>length(X) ) then  Leave L1;  End if;  End loop L1;  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(in x varchar(40))  Begin  Declare a int;  Declare b varchar(40);  Set a:=1;  set b= "";  L1:loop  Set b= concat(b,substr(x,a,1),',');  set a=a+1;  If (a>length(x)) then  Leave L1;  End if;  End loop L1;  Select b;  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( x varchar (40))  begin  declare a int; declare b varchar(40) ; declare c varchar(40);  declare d varchar(40);  set b = ' ';  set c = ' ';  set d = ' ';  set a=1;  L1: loop  set c= substr(x,a,1);  set a=a+1;  if(ascii(c)<=57 and ascii(c)>=48) then  set b=concat(b,c,'') ;  else  set d=concat(d,c,'') ;  end if;  if (a>length(x)) then  leave L1;  end if;  end loop L1;  select b;  select d;  end $ |
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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 proc1;  delimiter $  create procedure proc1()  begin  select concat(substr(ename,1,1),'(',substr(ename,2,length(ename)-1),')',' is [',job,']') from emp;  end $  delimiter ;  call proc1(); |
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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 proc1;  delimiter $  create procedure proc1(x varchar(40))  begin  declare a int ;declare str1 varchar(40);declare str2 varchar(40);declare str3 varchar(40);  set str1 = '';  set str2 = '';  set str3 = '';  set a = 1;  L1: loop  set str1= substr(x,a,1);  if(ascii(str1)>=65 and ascii(str1)<=90) then  set str2 = concat(str2, str1);  end if;  if(ascii(str1)>=97 and ascii(str1)<=122) then  set str3 = concat(str3, str1);  end if;  set a = a + 1;  if(a > length(x)) then  leave L1;  end if;  end Loop L1;  select str2;  select str3;  end $  delimiter ; |
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| 1. Write a procedure to find the number of vowels, digits and white spaces |
| drop procedure if exists proc1;  delimiter $  create procedure proc1(str varchar(40))  begin  declare vow int;declare dig int; declare sp int;declare x int;  declare sub varchar(40);  set sub = '';  set vow = 0;  set dig = 0;  set sp = 0;  set x =1;  L1: Loop  set sub = substr(str,x,1);  if( sub='a' or sub='e' or sub='i' or sub='o' or sub='u') then  set vow = vow + 1;  end if;  if( sub between '0' and '9') then  set dig = dig + 1;  end if;  if( sub=' ') then  set sp = sp + 1;  end if;  set x = x +1;  if(x>length(str)) then  leave L1;  end if;  end Loop L1;    select vow,dig,sp;  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 proc1;  delimiter $  create procedure proc1(x varchar(40))  begin  declare a int ;declare str1 varchar(40);declare str2 varchar(40);declare str3 varchar(40);  set str1 = '';  set str2 = '';  set str3 = '';  set a = 1;  L1: loop  set str1= substr(x,a,1);  if((ascii(str1)>=65 and ascii(str1)<=90) or (ascii(str1)>=97 and ascii(str1)<=122)) then  set str2 = concat(str2, str1);  end if;  if(ascii(str1)>=97 and ascii(str1)<=122) then  set str3 = concat(str3, str1);  end if;  set a = a + 1;  if(a > length(x)) then  leave L1;  end if;  end Loop L1;  select str2;  end $  delimiter ; |
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