Experiment: 6 to write a Buffer - overflow attack with example using 200 Diorce of the Indiana companies of the sound was burce code: -# Include 28toing. b) (stroktust) (stroktust) Put main Cind dge, clarist, aggstil 1863 buffer[5]; take sometimestab doing 1 printf("stocpy() NOT executed.... In Julivia 1931 51. Printf("Syntan: 7, s < choocters>\n", argv[a]); wingther premiers obtains exist (o); Tim anote label seconity you co print f C"buffer Content = 1. 5\n", buffer) print f ("stocpy") executed . Hillings of nota exampulation language operations that with PORTONNE OPERATION - SELECT, JUSERT, UPDATE and Description of Buffer overload with 1890 373130 In a buffer-overflow attack, the extr data Sometimes holds Specific Instruction stiples a definite intended by a hacker (00) malicious wer show on san eview estados

In the examples we do not Implement any malicious code Injection but just to show that the buffer can be overflow. Modern Compilers normally provide overflow checking option during the compile / link time but during the run time it is quite difficult to check this problem without any entra Potection mechanism Such as wing exception Potection mechanism such as who shoped the shope is handling trouped soft wiscong, but noised sold william output;

= Vi hello.c

cc hello.c

a out helloic missibilia

= · /a. out 2000 09,02

z buffer Content = 2000 09 02

ZITTI

Stocpy() executed

is the deposit touther at other the reference with the when they work the house to be related to the solvent and

Resulting with motorities hadroning any to provi

in all some some some Thus, the demonstration of the Baffer over flow attack using of is executed successfully I know in which he was the Minister commended my

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to implementation of virtual private database using oracle
log or SOL
              Servery
                  102 man subject to the course
UPD;
> If VPD is applied into the code sow by default column
 level upp wing allows you to restrict the rows display only
 if specified Coloumn are accessed.
SOIL
>> Connect system
>> passwood : ****
>> Show west consider footies footies of the way
  wer is system
>> Connect as Sysdba
Connected
>> grant executed dbms is to system;
  goant Successed
>> Conn system/password
                       PLISAK PRESENT INCOMFUERY
   Connected
>> create or replace function If - Job (owner in varichar,
   Oname in Varchaz) return varchaz as varchazzo);
  Begin Con: = 'dept'_no=zo';
    return (con),
    ENOIF-jobilis root and in ord
                       clarge place 2024
 function created
                              104 Bhandre 1051
>>> Create table emplemp-no int, exame varchar (eo);
 job varchar (20), magri int, hire date date, salary int,
 Commint, dept-no int);
>> Insert Into emp valuer (101, "Ravi", "reaches", 20 Janes
   10000, 2000, 10);
 ? West into emp values (102, "Man;", "professor", 2003,
    20 Apo 20, 15000, 1000, 10),
insert into Emp Values (183, "chandra", " Police", 2004
   20 Mar 19, 20000, 0, 20);
insert juto Emp Values (104, "Bhorathi", Post", 2005
   12 Aug 18, 30000; 50,20);
```

Exe: 3/

emp_no crame depay - Fiscalate Salary · job mga 101 Ravindra 10000 2000 lo eojan22 Teacher 7002 1000 20Apreo 15000 60 102 Mani Professor 2003 11103 a Chardra Police 1 2004 20ma 19 20000 1 079V 104 Bhorathi Post 2005 12Aug 18 30000 50 Policy BEGIN +++++ bosolie Dems -RL, S. ADD-Policy (object - schema => System", object_name => 'sp-job" function_schema > 'System' Policy - function => 'Pf-job', END; Suffer / pursuaga, f PLISAL procedure successfully completed =>> Select * from emp 1 emp_no emp_name job mgr hire_date dept-no Ravindra 10 p Teacher 2002 20Jan 22 111 150 102 preferrer 2003 Moni 20 Apr 20 103 chandra Police 2004 20 Man 19 10 28 + 211 VI Bharathi Post 2005 104 Ra Aug 18 2000 \$> Select ename, job, hire, date ate from emp where dept_ no = 10; e-name joboi hire date (00 00) 2000, 10) 20 jan 22 and rous Pavindra teacher Ma ni 0125 10 Protessor 20 Apr 26 25 9410 " Jest into timp valual (183, "chamosa" 1 15/110 MOLE STREET, POST , 2005

17 Aug 154 2000; 32, 20)

>> BEGIN Water months in DBMs_RLs, DRop-Policy (object-Schema =)"system". object_name = empi, END: Policy name = 15 p-joil !! >> PLISAL Procedure Successfully Completed >> chop function pr-jobs aguasal shat did in >> PL Iser Procedure Sucessfully Completed ... Select & from empire Job Salary from emplo ename job Ravindra Man? Leacher doorst soo goin sow soft Patersor 1500000 1000 moisiled sut Police to 2000 in 2 sait that is nothing chandra (1) Bharalti 1030001E JATH to LOUKT Post >> select ename, job, comm from emp where dept-no=10; ename job comm 2920 MAR HOLEHIB OUT Ravindra Feacher 2000 Manjor professor soon of 216 514 sprint of S) Select ename, job : Hire date, from emp; ename hire date Ravindra teacher 20 juin 32 1111 barol 2 Man; professor 100 120 Aprigit Lotolisa chandra to lice 20 mar 19 Wood bologues Del Bharattii Post 12 Aug 18 sile as some J. Halent (6) Friotion; Resulti for implementation of vistual private dalabase expo) using bequiby using oracle log (09) SAL Server was done successfully