**Ex.No.:5A**

**PRIME NUMBER**

**Date**

**Program:**

declare

num number;

flag number;

i number;

begin

flag:=0;

num:=&num;

for i in 1..num

loop

if mod(num,i)=0 then

flag:=flag+1;

end if;

end loop;

if flag=2 then

dbms\_output.put\_line('num' ||'is prime');

else

dbms\_output.put\_line('num' ||'is not prime');

end if;

end;

/

**OUTPUT:-**

SQL>@prime

Enter value for num:5

Num is prime

**Ex.No.:5B**

**SUM OF 100 NUMBERS**

**Date**

**Program:**

declare

s number(5);

i number(5);

begin

s:=0;

i:=0;

loop

s:=s+i;

i:=i+1;

exit when(i>100);

end loop;

dbms\_output.put\_line('The sum of 100 no is'||s);

end;

/

**OUTPUT:-**

SQL>@sumnnumbers

The sum of 100 no is 5050

**Ex.No.:5C**

**MINIMUM VALUE OF TWO NUMBERS**

**Date**

**Program:**

declare

n1 number;

n2 number;

begin

n1:=&n1;

n2:=&n2;

if n1<n2 then

dbms\_output.put\_line('minimum value is'||n1);

else

dbms\_output.put\_line('minimum value is'||n2);

end if;

end;

/

**OUTPUT:-**

SQL>@mini

Enter value for n1:2

Enter value for n2:5

minimum value is 2

**Ex.No.:5D**

**REVERSE THE DIGITS OF A NUMBER**

**Date**

**Program:**

declare

num1 number(5);

num2 number(5);

rev number(5);

begin

num1:=&num1;

rev:=0;

while num1>0

loop

num2:=num1 mod 10;

rev:=num2+(rev\*10);

num1:=floor(num1/10);

end loop;

dbms\_output.put\_line('reverse number is'||rev);

end;

/

**OUTPUT:-**

SQL>@reve

Enter the value of num1:123

reverse number is 321

**Ex.No.:5E**

**SUM OF ODD NUMBERS**

**Date**

**Program:**

declare

n number(3):=1;

s number(4):=0;

begin

while n<=100

loop

s:=s+n;

n:=n+2;

end loop;

dbms\_output.put\_line('the sum of odd numbers is'||s);

end;

/

**OUTPUT:-**

SQL>@sumodd

the sum of odd numbers is 2500