PLSQL Lab Assignment

1. Write a program to calculate the area of a triangle.
2. Write a plsql block to calculate square of a number.
3. Develop a program to convert temperature in Celsius to Fahrenheit and vice versa.
4. Write a program to find the greatest of three numbers.
5. Write a program to find the factorial of a number.
6. Write a program that will accept the marks of three subjects namely Maths,Physics and chemistry. Calculate the average marks and display the total grade as per the following conditions :

IF average marks < 40 then grade c

If average marks between 40 and 70 then the Grade B

Else Grade A

1. Write a program that will accept empno and calculate Bonus as per the following criteria .

Basic=SAL

DA= 10% of Basic

HRA=20% of Basic

Gross Salary=Baisc + HRA+COMM

Income tax=15% of (Basic + HRA + DA)

Net Salary =Gross salary- Income Tax

1. Develop a program to sum the digits of a 5 digit number.
2. Develop a program to reverse the digits of a 5 digit number.
3. Develop a program to calculate the electricity bill as per the units used

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| Units consumed | Rate |
| 0-100 | Rs. 0.5 per unit |
| 100-200 | Rs.1.0 per unit excess of 100 |
| 200-300 | Rs.1.5 per unit excess of 200 |
| >300 | Rs.3.00 per unit excess of 300 |

1. Create a function named simpleinterest for calculating simple interest . The function will receive Principal, rate ,Interest and it will calucate S.I using P \* R \* I / 100 and will return the same to the calling program.
2. Create a procedure called proc\_selling\_price which will receive customer\_code as parameter. For each order made by the customer the procedure will determine the new selling price based on the following criteria. If the order quantity is between 5 and 10 the new selling price should be displayed as 10 percent discounted or else 20 percent discounted.