**EXPERIMENT – 4**

pwd

ans =

'C:\Users\Gideon\Desktop'

mkdir test

[Warning: Directory already exists.]

mkdir test2

cd test2\

cd ..

pwd

ans =

'C:\Users\Gideon\Desktop'

diary off

uiimport

uiimport

alpha

cdata

16×41×3 <a href="matlab:helpPopup uint8" style="font-weight:bold">uint8</a> array

cdata(:,:,1) =

Columns 1 through 21

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diary off

G=inline('x+0.05\*x')

G =

Inline function:

G(x) = x+0.05\*x

G(5)

ans =

5.2500

%anonymous function

f=@(x,y)x^2-y^2

f =

<a href="matlab:helpPopup function\_handle" style="font-weight:bold">function\_handle</a> with value:

@(x,y)x^2-y^2

f(9)

{Not enough input arguments.

Error in <a href="matlab:matlab.internal.language.introspective.errorDocCallback('@(x,y)x^2-y^2')" style="font-weight:bold">@(x,y)x^2-y^2</a>

}

f(5,9)

ans =

-56

diary off

diary off

%different ways of executing functions

>> exp4

Not enough input arguments.

Error in exp4 (line 3)

price = x+0.05\*x;

>> exp4(5)

ans =

5.2500

>> cost=exp4(5)

cost =

5.2500

ans =

'C:\Users\Gideon\Desktop\html\exp4.html'

diary off

%implementing functions

%simple functions saved as file

function [price] = exp4(y,x)

price = x+0.05\*x;

%nested functions

f = inline('1500\*n');

exp4(@f,5);

end

**MINI PROJECT-**

**CODE-**

%Mini Project

%Airline Ticket Booking

%BY LAKSHAY EEE 3rd Semester

disp("Welcome")

disp("Press any key to continue")

pause()

place = menu('Select Destination','North America','South America','Asia','Europe','Australlia','Stay Home')

switch place

case 1

disp("You clicked on North America")

[x,y] = xlsread('North America.xlsx')

com = input('enter comapny name --> ','s')

cls = input('enter class --> ','s')

fr = input('enter your current place --> ','s')

n = input('enter number of tickets --> ')

prc = input('enter price --> ')

cost(n,prc);

case 2

disp("You clicked on South America")

[x,y] = xlsread('South America.xlsx')

com = input('enter comapny name --> ','s')

cls = input('enter class --> ','s')

fr = input('enter your current place --> ','s')

n = input('enter number of tickets --> ')

prc = input('enter price --> ')

cost(n,prc);

case 3

disp("You clicked on Asia")

[x,y] = xlsread('Asia.xlsx')

com = input('enter comapny name --> ','s')

cls = input('enter class --> ','s')

fr = input('enter your current place --> ','s')

n = input('enter number of tickets --> ')

prc = input('enter price --> ')

cost(n,prc);

case 4

disp("You clicked on Europe")

[x,y] = xlsread('Europe.xlsx')

com = input('enter comapny name --> ','s')

cls = input('enter class --> ','s')

fr = input('enter your current place --> ','s')

n = input('enter number of tickets --> ')

prc = input('enter price --> ')

cost(n,prc);

case 5

disp("You clicked on Australlia")

[x,y] = xlsread('Australlia.xlsx')

com = input('enter comapny name --> ','s')

cls = input('enter class --> ','s')

fr = input('enter your current place --> ','s')

n = input('enter number of tickets --> ')

prc = input('enter price --> ')

cost(n,prc);

case 6

error("You are staying Home")

otherwise

error("enjoy your day")

end

function [price] = cost(n,p)

price = (n\*p)+0.5\*(n\*p);

disp('total amount to be paid')

disp(price)

disp('thank you')

end