clc;clear all;close all;

ti=input('Enter your income of the person = $');

if(ti>=0 && ti<=6000)

tax=0;

medicare\_levy=0.015\*ti;

elseif(ti>6000 && ti<=20000)

tax=(ti-6000)\*0.17;

medicare\_levy=0.015\*ti;

elseif(ti>20000 && ti<=50000)

tax=2380+((ti-20000)\*30);

medicare\_levy=0.015\*ti;

elseif(ti>50000 && ti<=60000)

tax=11380+((ti-50000)\*0.42);

medicare\_levy=0.015\*ti;

elseif(ti>60000)

tax=15580+((ti-60000)\*0.47);

medicare\_levy=0.015\*ti;

end

tt=tax+medicare\_levy;

fprintf('Income tax = $%6.2f\nMedicare levy = $%6.2f\nTotal tax = $%6.2f\n',tax,medicare\_levy,tt)

clc;clear all;close all;

x=input('Enter the value of unit');

if(x<=500)

cost=x\*0.02;

elseif(x>500 && x<=1000)

cost=10+0.05\*(x-500);

else

cost=35+0.1\*(x-1000);

end

total=cost+5;

fprintf('The total value in Rs.%6.2f\n',total)

clc;clear all;close all;

code=input('enter the day:','s');

switch code

case {'sunday'}

disp('1')

case {'monday'}

disp('2')

case {'tuesday'}

disp('3')

case {'wednesday'}

disp('4')

case {'5'}

disp('thursday')

case {'6'}

disp('friday')

case {'saturday'}

disp('7')

otherwise

disp('invalid')

end

clc;clear all;close all;

number=input('input number = ');

CODE = input('Enter The code: ','s');

switch CODE

case 'cm'

cm=number\*100;

fprintf('%6.2f\n',cm)

case 'mm'

mm=number\*1000;

fprintf('%6.2f\n',mm)

case 'in'

in=number\*39.370;

fprintf('%6.2f\n',in)

case 'ft'

ft=number\*3.2804;

fprintf('%6.2f\n',ft)

otherwise

disp('error!!recheck your code input')

end

\

clc;clear all;close all;

c1=input('enter the first complex number = ');

c2=input('enter the second complex number = ');

code=input('Enter your choice:\n1 for Addition \n2 for Subtraction \n3 for Multiplication\n4 for Division\n');

switch code

case 1

sum=c1+c2;

disp(sum)

case 2

sub=c1-c2;

disp(sub)

case 3

mul=c1\*c2;

disp(mul)

case 4

div=c1/c2;

disp(div)

end

clc;clear all;close all;

x=input('Enter value of x= ');

if(x<1.0)

z=log(1./(1-x));

fprintf('The value of x is legal \n');

subplot(2,1,1);

plot(x,z,'ro:','Linewidth',2.0);

title('Logarithemic scale graph');

m=(1./(1-x));

subplot(2,1,2);

plot(x,m,'yo:','Linewidth',2.5);

title('Linear scale graph');

else

fprintf('The value of x is not legal so the function cant be evaluated');

end

clc;clear all;close all;

a=input('Enter the value of cos(x) = ');

y=sind(a)/cosd(a);

if (a>10^(-20))

fprintf('The value of tan(x) = %f\n',y)

elseif (a<10^(-20))

fprintf('Invalid input \n')

end

clc,clear all,close all

weight = input('Enter the weight of your package in pounds = ');

fprintf('weight = %f\n',weight);

if (weight<=2)

cost=15;

fprintf('Total cost is Rs. %d\n',cost)

elseif(weight>2 && weight <=70)

cost=(ceil(weight-2)\*5)+15;

fprintf('Total cost is Rs. %d\n',cost)

elseif(weight>70 && weight <=100)

cost=(ceil(weight-70)\*15)+15;

fprintf('Total cost is Rs. %d\n',cost)

else

fprintf('Sorry!Your package cannot be accepted,its overweight.\n')

end

clc;clear all;close all;

b=input('real part of complex no1 = ');

a=input('imaginary part of complex no1 = ');

d=input('real part of complex no2 = ');

c=input('imaginary part of complex no2 = ');

e=input('enter the operation you want to execute with these no \n1-add\n2-subs\n3-multiply\n4-divide\n');

f=b+a\*1i;

t=d+c\*1i;

switch(e)

case(1)

disp(f+t)

case(2)

disp(f-t)

case(3)

disp(f\*t)

case(4)

disp(f/t)

end