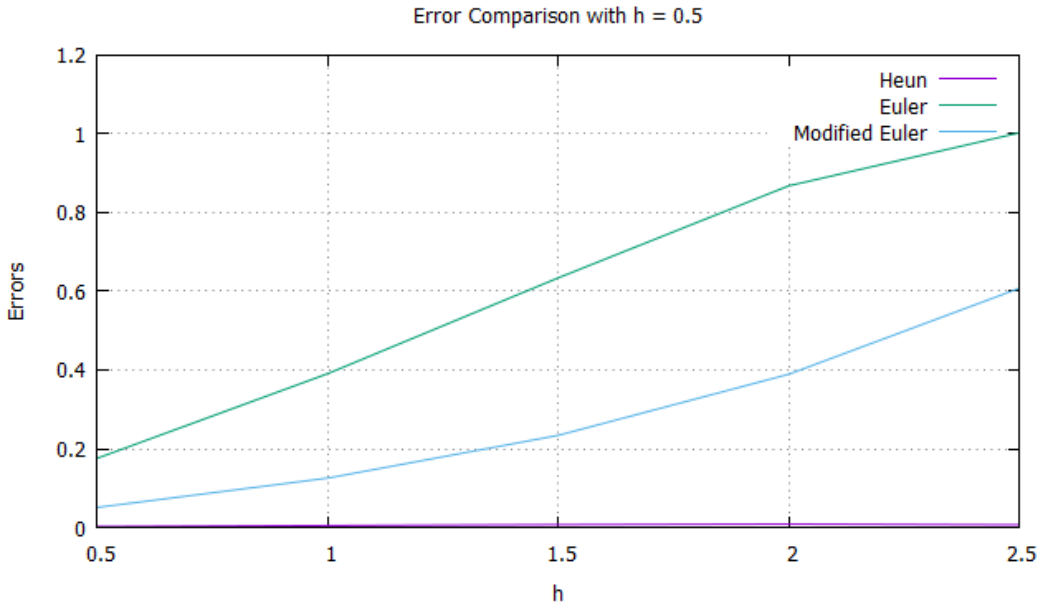
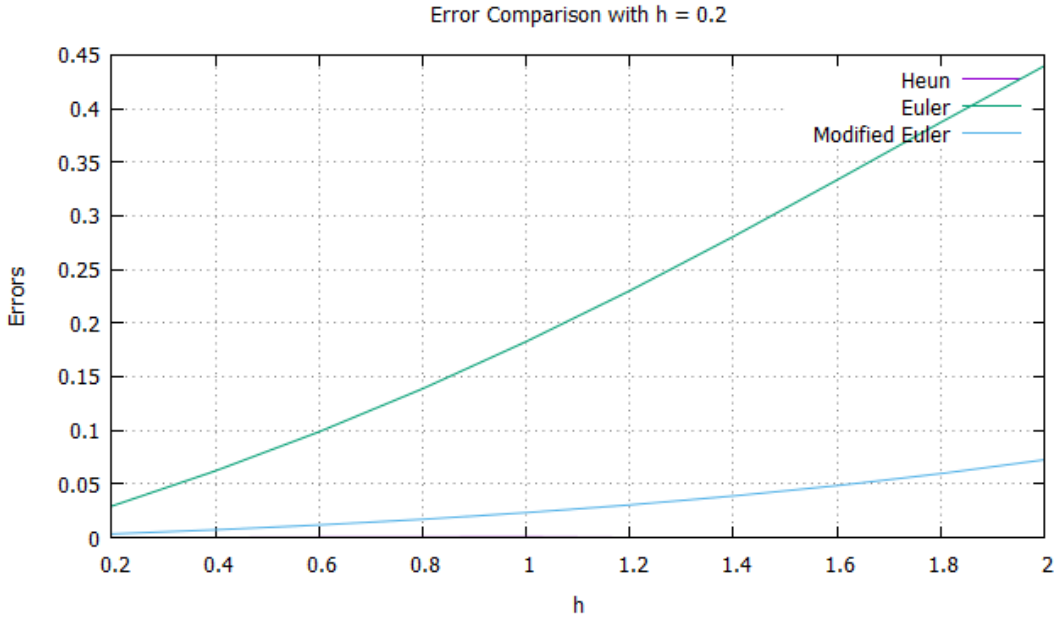
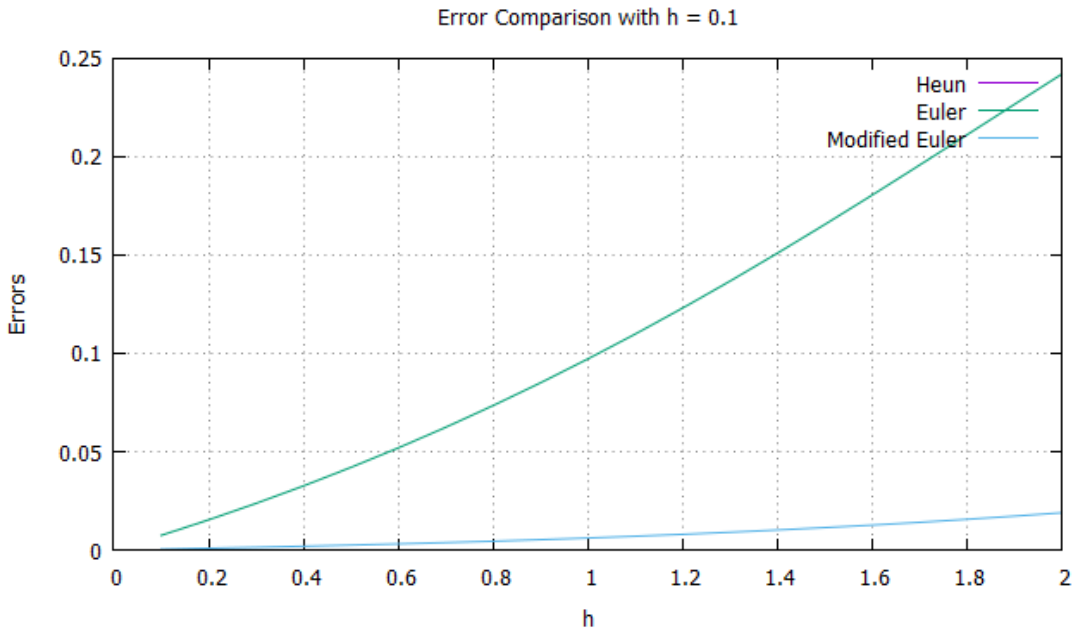
```c
float f(float x,float y) {
    float m;
    m = y - (x*x) + 1;
    return m;
}

int main() {
    float x0,y0,m1,m2,m3,k1,k2,m,y,x,h,xn;
    float heun, euler, meuler;
    float heun_error, euler_error, meuler_error;
    FILE* file = fopen("output05.csv", "w");
    printf("Enter x0,y0,xn,h:");
    scanf("%f %f %f %f",&x0,&y0,&xn,&h);
    x = x0;
    y = y0;
    heun = y0;
    euler = y0;
    meuler = y0;
    printf("\n\nX\t\tY\t\tHeun\t\tHeun_Err\tEuler\t\tEuler_Err\tMod_Euler\tMeuler_Err\n");
    while(x <= xn) {
        //Heun Method
        m1 = f(x,heun);
        m2 = f((x + (h/3)),(heun + m1*(h/3)));
        m3 = f((x + (h*2/3)),(heun + m2*(h*2/3)));
        m = m1 + 3*m3;
        heun = heun + m*(h/4);

        //Euler Method
        euler = euler + (h * f(x, euler));

        //Modified Euler Method
        k1 = f(x, meuler);
        k2 = f(x + h, meuler + h*k1);
        meuler = meuler + (h/2)*(k1 + k2);

        //Exact value
        y = (x+h+1)*(x+h+1) - 0.5*exp(x+h);

        //Compute errors
        heun_error = y - heun;
        euler_error = y - euler;
        meuler_error = y - meuler;

        x = x + h;
        printf("%f\t%f\t%f\t%f\t%f\t%f\t%f\n",x,y,heun,heun_error,euler,euler_error,meuler,meuler_error);
        fprintf(file, "%f\t%f\t%f\t%f\n",x,heun_error,euler_error,meuler_error);
    }
}
```



X	Y	Heun	Heun_Err	Euler	Euler_Err	Mod_Euler	Meuler_Err
0.500000	1.425639	1.423611	0.002028	1.250000	0.175639	1.375000	0.050639
1.000000	2.640859	2.636429	0.004430	2.250000	0.390859	2.515625	0.125234
1.500000	4.009155	4.002317	0.006838	3.375000	0.634155	3.775391	0.233765
2.000000	5.305472	5.297217	0.008255	4.437500	0.867972	4.916260	0.389212
2.500000	6.158753	6.152364	0.006389	5.156250	1.002503	5.551422	0.607331



X	Y	Heun	Heun_Err	Euler	Euler_Err	Mod_Euler	Meuler_Err
0.200000	0.829299	0.829244	0.000054	0.800000	0.029299	0.826000	0.003299
0.400000	1.214088	1.213975	0.000113	1.152000	0.062088	1.206920	0.007168
0.600000	1.648941	1.648766	0.000175	1.550400	0.098541	1.637242	0.011698
0.800000	2.127229	2.126991	0.000238	1.988480	0.138749	2.110236	0.016994
1.000000	2.640859	2.640556	0.000303	2.458176	0.182683	2.617687	0.023172
1.200000	3.179942	3.179577	0.000365	2.949811	0.230131	3.149579	0.030363
1.400000	3.732400	3.731981	0.000419	3.451773	0.280627	3.693686	0.038714
1.600000	4.283484	4.283024	0.000460	3.950128	0.333356	4.235097	0.048387
1.800000	4.815177	4.814697	0.000480	4.428154	0.387023	4.755618	0.059559
2.000000	5.305473	5.305008	0.000465	4.865784	0.439689	5.233054	0.072419



X	Y	Heun	Heun_Err	Euler	Euler_Err	Mod_Euler	Meuler_Err
0.100000	0.657415	0.657411	0.000003	0.650000	0.007415	0.657000	0.000415
0.200000	0.829299	0.829292	0.000007	0.814000	0.015299	0.828435	0.000864
0.300000	1.015070	1.015060	0.000011	0.991400	0.023670	1.013721	0.001350
0.400000	1.214088	1.214073	0.000015	1.181540	0.032548	1.212211	0.001876
0.500000	1.425639	1.425621	0.000018	1.383694	0.041945	1.423193	0.002446
0.600000	1.648941	1.648918	0.000023	1.597063	0.051877	1.645879	0.003062
0.700000	1.883124	1.883097	0.000027	1.820770	0.062354	1.879396	0.003728
0.800000	2.127230	2.127199	0.000031	2.053847	0.073383	2.122783	0.004447
0.900000	2.380199	2.380164	0.000035	2.295232	0.084967	2.374975	0.005224
1.000000	2.640859	2.640820	0.000039	2.543755	0.097104	2.634797	0.006062
1.100000	2.907917	2.907874	0.000043	2.798130	0.109787	2.900951	0.006967
1.200000	3.179942	3.179895	0.000047	3.056943	0.122999	3.172001	0.007942
1.300000	3.455352	3.455302	0.000051	3.318637	0.136715	3.446361	0.008992
1.400000	3.732400	3.732347	0.000053	3.581501	0.150899	3.722278	0.010121
1.500000	4.009156	4.009100	0.000056	3.843651	0.165505	3.997818	0.011339
1.600000	4.283485	4.283426	0.000059	4.103016	0.180470	4.270838	0.012647
1.700000	4.553027	4.552968	0.000059	4.357317	0.195709	4.538976	0.014050
1.800000	4.815176	4.815117	0.000059	4.604049	0.211127	4.799619	0.015558
1.900000	5.067053	5.066995	0.000059	4.840454	0.226599	5.049879	0.017175
2.000000	5.305473	5.305416	0.000057	5.063499	0.241973	5.286566	0.018907