

CP 111 Computer Programming

2/2554 Section B01/B02

Lab 2 solution

1. Problem name: Even_Div17

```
#include <stdio.h>

int main()
{
    int x;
    scanf("%d",&x);
    if(x%2 == 0 && x%17 == 3)
        printf("YES\n");
    else
        printf("NO\n");

    return 0;
}
```

2. Problem name: Celcius_2_F

```
#include <stdio.h>
int main()
{
    double c,f;

    scanf("%lf",&c);
    f=(9.0/5.0)*c + 32.0;
    printf("%.2f\n",f);

    return 0;
}
```

3. Problem name: Simple_Calc

```
#include <stdio.h>

int main()
{
    int a,b,result;
    char op;

    scanf("%d %c %d",&a,&op,&b);
    if(op=='+')
    {
        result=a+b;
    }
    else if(op=='-')
    {
        result=a-b;
    }
    else if(op=='*')
    {
        result=a*b;
    }
    else if(op=='/')
    {
        result=a/b;
    }
    else if(op=='%')
    {
        result=a%b;
    }
    printf("%d\n",result);

    return 0;
}
```

4. Problem name: Dec2Str_4digits

```
#include <stdio.h>

int main()
{
    int x;
    int d4, d3, d2, d1;

    scanf("%d", &x);
    d4=x/1000;
    x=x%1000;
    d3=x/100;
    x=x%100;
    d2=x/10;
    d1=x%10;
    printf("%d,%d,%d,%d\n", d4, d3, d2, d1);

    return 0;
}
```

5. Problem name: Dropped_Ball

```
#include <stdio.h>
int main()
{
    double h,u2;

    scanf("%lf",&h);
    u2=2*9.8*h;
    h=(2.0/3.0)*h;
    printf("%.3f %.3f\n",u2,h);
    u2=2*9.8*h;
    h=(2.0/3.0)*h;
    printf("%.3f %.3f\n",u2,h);
    u2=2*9.8*h;
    h=(2.0/3.0)*h;
    printf("%.3f %.3f\n",u2,h);

    return 0;
}
```

