1.

#include <stdlib.h>

int main()

{

int n,rem;

printf("enter integer number:");

scanf("%d", &n);

rem=n%2;

if (rem==0)

printf("number is even number\n");

else

printf("number is odd number\n");

}

#include <stdio.h>

#include <stdlib.h>

int main()

{

int n,rem;

printf("enter integer number:");

scanf("%d", &n);

rem=n%2

switch (rem)

{

case 0:printf("number is even");break;

case 1:printf("number is odd");break;

}

}

2.

#include <stdio.h>

#include <stdlib.h>

int main()

{

int n1,n2,choise;

printf("menu\n");

printf("1 addition\n");

printf("2 subtraction\n");

printf("3 multiplication\n");

printf("4 division\n");

printf("enter yourb choose calculation to do\n");

scanf("%d",&choise);

printf("enter 2 numbers");

scanf("%d %d",&n1,&n2);

switch(choise)

{

case 1:printf("result:%d",n1+n2);break;

case 2:printf("result:%d",n1-n2);break;

case 3:printf("result:%d",n1\*n2);break;

case 4:printf("result:%.2f",(float)n1/n2);break

}

}