1)

```
#include <stdio.h>

int main() {

  int n, reverse = 0, remainder;

  printf("Enter an integer: ");
  scanf("%d", &n);

  while (n != 0) {
    remainder = n % 10;
    reverse = reverse * 10 + remainder;
    n /= 10;
  }

  printf("Reversed number = %d", reverse);

  return 0;
}
```

2)

```
#include <stdio.h>

int main()
{
    int num1, num2;
    int sum, sub, mult, mod;
    float div;


    printf("Enter any two numbers: ");
    scanf("%d%d", &num1, &num2);

    sum = num1 + num2;
    sub = num1 - num2;
```

```
mult = num1 * num2;
div = (float)num1 / num2;
mod = num1 % num2;


printf("SUM = %d\n", sum);
printf("DIFFERENCE = %d\n", sub);
printf("PRODUCT = %d\n", mult);
printf("QUOTIENT = %f\n", div);
printf("MODULUS = %d", mod);

return 0;
}
```

3)

```
#include <stdio.h>
int main()
{
    int n, i;
    unsigned long long fact = 1;
    printf("enter an integer: ");
    scanf("%d", &n);
    if (n < 0)
        printf("error! factorial of a negative number
doesn't exist.");
    else {
        for (i = 1; i <= n; ++i) {
            fact *= i;
        }
        printf("factorial of %d = %llu", n, fact);
    }

    return 0;
}
```

4)

```
#include<stdio.h>
void main()
{
 float a,s,c;

 printf("\n Enter A Number: ");
 scanf("%f",&a);

 s=a*a;
 c=s*a;

 printf("\n Square of %f is = %f",a,s);

 printf("\n\n Cube of %f is = %f",a,c);
}
```