①

```c
#include <stdio.h>
int main()
{
    int num1, num2, num3;
    printf("Enter the first number:");
    scanf("%d", &num1);
    printf("Enter the second number:");
    scanf("%d", &num2);
    printf("Enter the third number:");
    scanf("%d", &num3);
    if (num1 >= num2 && num1 >= num3)
    {
        printf("\n** The largest number is:%d**\n", num1);
    }
    else if (num2 >= num1 && num2 >= num3)
    {
        printf("\n** The largest number is:%d**\n", num2);
    }
    else
    {
        printf("\n** The largest number is:%d**\n", num3);
    }
    return 0;
}
```
//

→ ② # include < stdio.h >

```c
int main()
{
    int number;
    printf("Enter an integer:");
    scanf("%d", &number);
    if (number > 0)
    {
        printf("The number %d is Positive**.\n", number);
    }
    else if (number < 0)
    {
        printf("The number %d is **Negative**.\n", number);
    }
    else
        printf("The number is **zero**.\n");

    return 0;
}
```

(3)

```c
#include <stdio.h>
int main()
{ int year;
    printf("Enter a year:");
    scanf("%d", &year);
    if ((year % 4 == 0 && year % 100 != 0) | (year % 400 == 0))
    { printf("\n***%d is a leap year.***\n", year);
    }
    else
    { printf("\n%d is **not** a leap year.\n", year);
    }
    return 0;
}
```

4.

→ # include < stdio.h >

int main ()
{
    int units;
    float bill;
    printf ("Enter units consumed:");
    scanf ("%d", & units);
    if (units <= 100)
    { bill = units * 1.5;
    }
    else if (units <= 200)
    { bill = (100 * 1.5) + ((units - 100) * 2);
    }
    else if (units <= 200)
    { bill = (100 * 1.5) + (100 * 2) + (units - 200) * 3);
    }
    else {
        bill = (100 * 1.5) + (100 * 2) + (100 * 3) + ((units - 300) * 5);
    printf ("Electricity bill = ₹%.2f \n", bill);
    return 0;
}

5.

→

```c
#include <stdio.h>
int main()
{   int n;
    int sum;
    printf (" Enter a number;");
    scanf ("%d", &n);
    sum = (n * (n+1)) /2;
    printf (" Sum of first %d natural numbers = %d\n",n, sum);
    return 0;
}//
```

6.

```c
# include < stdio.h>
int main() {
int num;
printf ("Enter a number:");
scanf ("%d", &num);
if (num%5 ==0 && num %11 == 0)
{ printf ("%d is divisible by both 5 and 11. \n"; num);
}
else
{ printf("%d is not divisible by both 5 and 11. \n"; num);
}
return 0;
}//
```