Question 1

WAP to display the area of circle, area of rectangle or area of triangle using switch statement.

```c
#include<stdio.h>

int main()
{
        float radius;
        float length;
        float height;
        int problem;
        float Area;

        printf("Enter the type of problem to be solved:\n");

        printf("1.Area of circle\n");

        printf("2.Area of rectangle\n");

        printf("3.Area of triangle\n");

        scanf("%d", &problem);


        switch(problem)
        {
                //Area of circle
                case 1:
                printf("Enter the radius of circle:");
                scanf("%f",&radius);

                Area = 3.14*radius*radius;
                printf("These is the area of the circle: %f\n", Area);
                break;

                case 2:
                //Area of rectangle
                printf("Enter the length of the rectangle: ");
                scanf("%f",&length);

                printf("Enter the height of the rectangle: ");
                scanf("%f",&height);

                Area = length * height;
                printf("This is the area of the rectangle: %f", Area);
                break;

                case 3:
                //Area of triangle
                printf("Enter the length of the triangle:");
                scanf("%f",&length);
```

```c
            printf("Enter the height of the triangle:");
            scanf("%f",&height);

            Area = (length * height)/2;
            printf("This is the area of the triangle: %f", Area);
            break;

            default:
            printf("Invalid");
    }
    return 0;
}
```

Question 2

WAP to print all the prime numbers from 2 to 200 using break statement.

```c
#include<stdio.h>

int main()
{
        int i;
        int number;
        int count;

        printf("Prime number that exists between 2 to 200 are: ");

        for(int number=2; number<=200; number++)
        {
                count = 0;
                for(int i=2; i<=number/2; i++)
                {
                        if( number%i == 0 )
                        {
                                count++;
                                break;
                        }
                }
                if(count==0 && number != 1)
                {
                        printf("%d\n", number);
                }
        }
}
```

Question 3

WAP to add and display the sum of all the even number starting from 0 to 20. Use continue statement.

```c
#include<stdio.h>

int main()
{
        int i;
        int sum = 0;

        for(int i=0; i<=20; i++)
        {
                if( i%2==1 )
                {
                        continue;
                }
                sum = sum + 1;
        }
        printf("%d\n",sum);
        return 0;
}
```