1. #include <stdio.h>

```
int main()
{
float p, q;
float sum, sub, mul, div;
printf("Enter any two numbers::\n");
scanf("%f%f", &p, &q);
sum = p + q;
sub = p - q;
mul = p * q;
div = p / q;
printf("SUM       %f + %f = %f\n", p, q, sum);
printf("DIFFERENCE %f - %f = %f\n", p, q, sub);
printf("PRODUCT    %f * %f = %f\n", p, q, mul);
printf("QUOTIENT   %f / %f = %f\n", p, q, div);
return 0;
}
```

2. #include<stdio.h>

```
int main()
{
float c, f;
printf("Input temp in celsius: ");
scanf("%f", &c);
f=(c*1.8)+32;
printf("\n The temperature in fahrenheit is %f", f);
return 0;
}
```

3. #include<stdio.h>

```
int main()
```

```
{
int r, D, A, circumference;
printf("Input the radius of the circle: ");
scanf("%d", &r);
D = 2 * r;
A = 3.14 * r * r;
circumference = 2 * 3.14 * r;
printf("\nThe diameter of the circle is = %d\n", D);
printf("\nThe area of the circle is = %d\n", A);
printf("\nThe circumference of the circle is = %d", circumference);
return 0;
}
```

4.
```
#include <stdio.h>
int main()
{
int phy, chem, bio, math, comp;
float per;
printf("Enter five subjects marks: ");
scanf("%d%d%d%d%d", &phy, &chem, &bio, &math, &comp);
per = (phy + chem + bio + math + comp) / 5.0;
printf("Percentage = %.2f\n", per);
if(per >= 90)
{
printf("Grade A");
}
else if(per >= 80)
{
printf("Grade B");
}
else if(per >= 70)
```

```
{
printf("Grade C");
}
else if(per >= 60)
{
printf("Grade D");
}
else if(per >= 40)
{
printf("Grade E");
}
else
{
printf("Grade F");
}
return 0;
}
```

5.
```
#include <stdio.h>
int main()
{
char ch;
printf("Enter any alphabet: ");
scanf("%c", &ch);
switch(ch)
{
case 'a':
printf("Vowel");
break;
case 'e':
printf("Vowel");
```

```
break;
case 'i':
printf("Vowel");
break;
case 'o':
printf("Vowel");
break;
case 'u':
printf("Vowel");
break;
case 'A':
printf("Vowel");
break;
case 'E':
printf("Vowel");
break;
case 'I':
printf("Vowel");
break;
case 'O':
printf("Vowel");
break;
case 'U':
printf("Vowel");
break;
default:
printf("Consonant");
}
return 0;
}
```