

## Assignment Questions

1. Program to enter two nos. & perform all arithmetic operations

```
#include <stdio.h>
```

```
void main ()
```

```
{
```

```
int a, b, s, m, n;
```

```
float d;
```

```
printf ("please enter any two numbers: \n");
```

```
scanf ("%d %d", &a, &b);
```

```
s = a + b;
```

```
m = a * b;
```

```
n = a - b;
```

```
d = a / b;
```

```
printf ("addition of two number is: %d", s);
```

```
printf ("multiplication of two number is: %d", m);
```

```
printf ("division of two number is: %f", d);
```

```
printf ("difference of two number is: %d", n);
```

```
}
```

2. Program to enter temperature in Celcius & convert in Fahrenheit

```
#include <stdio.h>
```

```
void main ()
```

```
{
```

```
int c, f;
```

```

printf ("please enter any two numbers: n");
scanf ("%d %d", &c, &t);
f = 3.2 * (9c/5);
printf ("the temperature in fahrenheit is: %d", f);
}

```

3. Program to enter radius of circle and find its diameter, circumference & area

```

#include <stdio.h>

void main()
{
    int r, d, c, a;
    printf ("please enter radius of circle: n");
    scanf ("%d", &r);
    d = 2*r;
    c = 2 * 3.14 * r;
    a = 2 * 3.14 * r * r;
    printf ("the diameter is: %d", d);
    printf ("the circumference is: %d", c);
    printf ("the area is: %d", a);
}

```

4. Program to input marks of 5 subjects and calculate grade as given in question

```
# include <stdio.h>
void main ()
{
    int a,b,c,d,e,s;
    float P;
    printf ("please enter the marks of all five subjects\n");
    scanf ("%d%d%d%d%d", &a, &b, &c, &d, &e);
    S = a+b+c+d+e;
    P = (S/500) * 100;

if P >= 90
    printf ("pupil has secured grade A
```

```
if (P >= 90)
{
    printf ("grade A");
}
else if (P >= 80)
{
    printf ("grade B");
}
else if (P >= 70)
{
    printf ("grade C");
}
else if (P >= 60)
{

```



```
printf ("grade D");  
else if (p >= 40)  
{  
printf ("grade F");  
}  
else  
{  
printf ("grade G");  
}
```

5. program to check whether an alphabet is vowel or consonant using switch case.

```
#include <stdio.h>  
void main()  
{  
char x;  
printf ("Enter a character: \n");  
scanf ("%c", &x);  
switch (x) {  
case 'a':  
printf ("%c is a vowel ", x);  
break;  
case 'e':
```

```
printf ("%c is a vowel", x);  
break;
```

```
case 'i':
```

```
printf ("%c is a vowel", x);  
break;
```

```
case 'o':
```

```
printf ("%c is a vowel", x);  
break;
```

```
case 'u':
```

```
printf ("%c is a vowel", x);  
break;
```

```
default:
```

```
printf ("%c is a consonant", x);
```

```
return 0;
```

```
}
```