



Mo Tu We Th Fr Sa Su

Memo No. \_\_\_\_\_

Date     /     /

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

```
#include <stdlib.h>
```

Practice # 21 //

```
int main()
```

```
{
```

```
    int hours, minutes, seconds, total_elapsed_sec;
```

```
    printf("Input seconds:\n");
```

```
    scanf("%d", &hours) total_elapsed_sec);
```

```
    hours = (total_elapsed_sec / 3600);
```

```
    minutes = (total_elapsed_sec - (3600 * hours)) / 60;
```

```
    seconds = (total_elapsed_sec - (3600 * hours) - (minutes * 60));
```

```
    printf("H:M:S - %d:%d:%d\n", hours, minutes, seconds);
```

```
    return 0;
```



```
#include <stdlib.h>
```

Practice # 22

{

```
printf "Enter the radius of a circle : \n");  
scanf "%f", &Rcircle);
```

$$\text{circumference} = 2 * 3.1416 * R_{\text{circle}};$$

```
printf("\n The circumference is %.5f", circumference);  
double a = 1.0;
```

```
Prints ("Complete the table below:\n\n");
```

```
printf("Radius
```

Circumference (n),

```
printf("1.0\n");
```

```
printf("1.5\n");
```

```
printf("2.0\n");
```



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```
printf("2.5\n");  
printf("3.0\n");  
printf("3.5\n");
```

printf("Radius	Circumference\n");
printf("1.0	%f\n", 2 * 3.1416 * 1.0);
printf("1.5	%4f\n", 2 * 3.1416 * 1.5);
printf("2.0	%4f\n", 2 * 3.1416 * 2.0);
printf("2.5	%4f\n", 2 * 3.1416 * 2.5);
printf("3.0	%4f\n", 2 * 3.1416 * 3.0);
printf("3.5	%4f\n", 2 * 3.1416 * 3.5);

```
return 0;
```

$$\begin{aligned} 1) & 2 \times 3.1416 + 1.0 \\ &= 6.2832 + 1.0 \\ &= \boxed{6.2832} \end{aligned}$$

$$\begin{aligned} 2) & 2 \times 3.1416 + 1.5 \\ &= 6.2832 + 1.5 \\ &= \boxed{7.7832} \end{aligned}$$

$$\begin{aligned} 3) & 2 \times 3.1416 + 2.0 \\ &= 6.2832 + 2.0 \\ &= \boxed{8.2832} \end{aligned}$$

$$\begin{aligned} 4) & 2 \times 3.1416 + 2.5 \\ &= 6.2832 + 2.5 \\ &= \boxed{8.7832} \end{aligned}$$

$$\begin{aligned} 5) & 2 \times 3.1416 + 3.0 \\ &= 6.2832 + 3.0 \\ &= \boxed{9.2832} \end{aligned}$$

$$\begin{aligned} 6) & 2 \times 3.1416 + 3.5 \\ &= 6.2832 + 3.5 \\ &= \boxed{9.7832} \end{aligned}$$



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

```
#include <stdlib.h>
```

```
int main()
```

```
{
```

```
double miles, gallon, total;
```

```
printf("Enter the miles driven:\n");
```

```
scanf("%lf", &miles);
```

```
printf("Enter the gallons of gas used:\n");
```

```
scanf("%lf", &gallon);
```

```
printf("\n\n");
```

```
total = miles / gallon;
```

```
printf("It shows that every gallon of gas is equivalent  
to: %.2f miles\n\n", total);
```

Practice # 23



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double a = 276 / 10, b = 200 / 15.5;

printf("Test data set 1: Miles = 276, Gas = 10 gallons.\n\n%.2f mile/gallon\n", a);

printf("Test data set 2: Miles = 200, Gas = 15.5 gallons.\n\n%.2f mile/gallon\n", b);

~~return 0;~~

double e = 250 / 16.00, f = 275 / 18.00;

double c = 312 / 19.54, d = 296 / 17.39;

printf("\t Miles Driven\t\t\t\t\t Gallon used\t\t\t\t\t MPG\n");

printf("\t 250\t\t\t\t\t 16.00\t\t\t\t\t %.2f\n", e);

printf("\t 275\t\t\t\t\t 18.00\t\t\t\t\t %.2f\n", f);

printf("\t 312\t\t\t\t\t 19.54\t\t\t\t\t %.2f\n", c);

printf("\t 296\t\t\t\t\t 17.39\t\t\t\t\t %.2f\n", d);

return 0;  
}





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

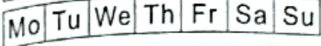
Practice # 24

```
int main()
{
```

```
    int num1, num2, num3, num4, sum=0, average=0;
    printf("Enter a number:\n");
    (printf("Enter
    scanf("%d", &num1);
    printf("Enter second number\n");
    scanf("%d", &num2);
    printf("Enter third number\n");
    scanf("%d", &num3);
    printf("Enter fourth number\n");
    scanf("%d", &num4);
```

```
    sum = num1 + num2 + num3 + num4;
```

```
    average = sum / 4;
```



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