```
#include <stdio.h>
int main(){
float qpa;
printf("Enter the GPA: ");
scanf("%f",&gpa);
if (gpa >= 0.0 && gpa <= 0.99)
printf("Failed Semester - Registration Suspended\n");
else if (gpa >= 1.0 && gpa <= 1.99)
printf("On probation for next semester\n");
else if(gpa >= 2.0 && gpa <= 2.99)
printf("\n");
else if(gpa >= 3.0 && gpa <= 3.49)
printf("Dean's list for semester\n");
else if(gpa >= 3.5 && gpa <= 4.00)
printf("Highest honours for semester\n");
else
printf("Invalid GPA\n");
return 0;
}
```

```
#include <stdio.h>
int main(){
char class;
printf("Enter the serial number of the ship: ");
scanf("%c", &class);
printf("Ship Class: %c\n", class);
switch(class){
case 'B':
case 'b':
        printf("Class B: Battleship");
        break;
case 'C':
case 'c':
        printf("Class C: Cruiser");
        break:
case 'D':
case 'd':
        printf("Class D: Destroyer");
        break;
case 'F':
case 'f':
        printf("Class F: Frigate");
        break;
default:
        printf("Invalid serial number");
}
return 0;
```

```
#include <stdio.h>
int main(){
int age;
char sts;
printf("Enter the age: ");
scanf("%d", &age);
if (age > 59){
        printf("Enter status 'W' if working or any other key if not
working: ");
        scanf("%c\n", &sts);
        if (sts == 'W')
                printf("Working Senior");
        else
                printf("Retired Senior");
}
else if (age > 20)
        printf("Adult");
else if (age > 12)
        printf("Teen");
else
        printf("Child");
return 0;
}
```

```
#include <stdio.h>
int main(){
float wt_lb, ht_in, bmi;
printf("Enter the weight in pounds: ");
scanf("%f", &wt_lb);
printf("Enter the height in inches: ");
scanf("%f", &ht_in);
bmi = (703 * wt_lb) / (ht_in * ht_in);
printf("Your BMI is: %f \n", bmi);
if (bmi < 18.5)
        printf("Underweight");
else if (bmi > 18.5 && bmi < 24.9)
        printf("Normal");
else if (bmi > 25.0 \& bmi < 29.9)
        printf("Overweight");
else
        printf("Obese");
return 0;
}
```

```
#include <stdio.h>
int main(){
float n;
int type;
printf("Enter Richter Scale Value: ");
scanf("%f", &n);
if (n > 0 \&\& n < 5.0)
        type = 1;
else if (n >= 5.0 \& n < 5.5)
        type = 2;
else if (n >= 5.5 \& n < 6.5)
        type = 3;
else if (n >= 6.5 \&\& n < 7.5)
        type = 4;
else if (n > 7.5)
        type = 5;
else
        type = 6;
switch(type){
case 1:
        printf("Little or no damage");
        break;
case 2:
        printf("Some damage");
        break;
case 3:
        printf("Serious damage: walls may crack or fall");
        break;
case 4:
        printf("Disaster: houses and buildings may collapse");
        break;
case 5:
        printf("Catastrophe: most buildings destroyed");
        break;
default:
        printf("Incorrect value");
return 0;
```

```
#include <stdio.h>
int main(){
int weekday, night, weekend;
float totalBill, preTaxBill, averageCost, taxes;
float flatRate = 39.99;
float taxRate = 5.25;
float addCost = 0.40;
printf("Enter weekday minutes: ");
scanf("%d", &weekday);
printf("Enter night minutes: ");
scanf("%d", &night);
printf("Enter weekend minutes: ");
scanf("%d", &weekend);
//Usage Display
printf("\n");
printf("MONTHLY USAGE\n");
printf("Weekday Minutes: %d \n", weekday);
printf("Night Minutes: %d \n", night);
printf("Weekend Minutes: %d \n", weekend);
printf("\n");
//Bill Calculation
if (weekday <= 600)
    preTaxBill = 39.99 * weekday;
else
    preTaxBill = (39.99 * 600) + ((weekday - 600) * addCost);
averageCost = preTaxBill / weekday;
taxes = preTaxBill * (5.25 / 100);
totalBill = preTaxBill + taxes;
//Bill Display
printf("MONTHLY BILL\n");
printf("Pre-Tax Bill: %.2f \n", preTaxBill);
printf("Average Minute Cost: %.2f \n", averageCost);
printf("Taxes: %.2f \n", taxes);
printf("Total Bill: %.2f", totalBill);
return 0;
```