1.

```
#include <stdio.h>

int main() {
    int x, y, z;

    printf("Enter the value of x: ");
    scanf("%d",&x);

    printf("Enter the value of y: ");
    scanf("%d",&y);

    printf("Enter the value of z: ");
    scanf("%d",&z);


    if ((x > y && x < z) || (x < y && x > z)) {
        printf("1\n");
    }
    else if ((y > x && y < z) || (y < x && y > z)) { printf("2\n");
    }
    Else
     {
        printf("3\n");
    }

    return 0;
}
```

2.

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

 #include <ctype.h>

int isStrongPassword(const char *password) {
   int length = strlen(password); int hasLowerCase = 0, hasUpperCase = 0, hasDigit =
   0, hasSpecialChar = 0;

   for (int i = 0; i < length; i++) {
       if (islower(password[i])) { hasLowerCase
          = 1;
       }
       else if (isupper(password[i]))
       {
       hasUpperCase = 1;
       }
        else if (isdigit(password[i]))
       {
       hasDigit = 1;
       }
       else if (strchr("!@#$%^&*()-+", password[i]))
       { hasSpecialChar = 1;
       }
   }
   return (length >= 8) && hasLowerCase && hasUpperCase && hasDigit &&
hasSpecialChar;
}

int main() {
   char password[50];


   printf("Enter the password: "); scanf("%s",
   password);


   if (isStrongPassword(password)) {


       printf("The password is strong.\n");
   } else { printf("The password is not
      strong.\n");
   }return 0;}
```

3.

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

int main() {
    int projectHours, availableDays;

    printf("Enter the number of hours needed for the project: "); scanf("%d",
    &projectHours);

    printf("Enter the number of available days: "); scanf("%d",
    &availableDays);


    int normalWorkingDays = availableDays - (int)(0.1 * availableDays); int
    normalWorkingHours = normalWorkingDays * 8;

    int trainingDays = availableDays - normalWorkingDays; int
    trainingHours = trainingDays * 8;


    int totalWorkingHours = normalWorkingHours + trainingHours; int

    hoursLeft = projectHours - totalWorkingHours;

    if (hoursLeft <= 0) {
        printf("The project can be finished on time.\n");
    } else { printf("The project cannot be finished on time. Hours needed: %d\n", hoursLeft);
    }

    return 0;
}
```