

Practice Problem - 3

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

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

```
float sumaver(int p, int q)
```

```
{
```

```
    int s;
```

```
    float av;
```

```
    s = p + q;
```

```
    av = s / 2;
```

```
    printf("The sum is = %d\n", s);
```

```
    return av;
```

```
}
```

```
void printeven(int p, int q)
```

```
{
```

```
    int i;
```

```
    if ((p % 2) == 0)
```

```
    {
```

```
        for (i = p + 2; i < q; i + 2)
```

```
        {
```

```
            printf("%d\t", i);
```

```
        }
```

```
    else
```

```
{
```

```
for (i = p+1; i < q; i+2).
```

```
{
```

```
printf("%d\t", i);
```

```
}
```

```
}
```

```
}
```

```
int main()
```

```
{
```

```
float s;
```

```
int p, q, r;
```

```
printf("Enter the value for p\n");
```

```
scanf("%d", &p);
```

```
printf("Enter the value for q\n");
```

```
scanf("%d", &q);
```

```
printf("Enter the value for r\n");
```

```
scanf("%d", &r);
```

```
if (p > r && q > r)
```

```
{
```

```
    s = sumaver (p, q);
```

```
    printeven (r, q);
```

```
}
```

```
else if (p > q && q < r)
```

```
{
```

```
    s = sumaver (p, r);
```

```
    printeven (p, r);
```

```
}
```

```
printf("The average value = %f\n", s);
```

```
return 0;
```

```
}
```