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/*
```

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Program to Find Value of sin(x) using Expansion Series Given Below:
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```
sin(x) = x - x3/3! + x5/5! - x7/7!.... */
*/ #include <stdio.h> #include <math.h>
```

```
printf("\nEnter the base value: ");
scanf("%f", &base);
printf("\nEnter the power value: ");
scanf("%f", &pwr);
```

```
sum = base;
```

ab:

main()

```
m = m * i;
h = pow(-1, c);
g = pow(base, i);
```

```
sum = sum + (h * g) / m;
i = i + 2;
c++;
m = m * (i - 1);
```

```
if (i \le pwr) goto ab; printf("\n\sum = \%f", sum); getch(); }
```