

Assignment- 14 -

① ~~#include~~ <stdio.h>
int main()

{

int n, sum = 0;

printf("Enter a number");

scanf("%d", &n);

int arr[n];

for (int i = 0; i < n; i++)

scanf("%d", &n[i]);

for (int i = 0; i < n; i++)

sum = sum + arr[i];

{

printf("sum = %d", sum);

return 0;

}

② #include <stdio.h>
int main()

{

int n, sum, i;

printf("Enter a number");

scanf("%d", &n);

```

int arr[n];
for (i = 0; i < n; i++)
    scanf("%d", &h);
for (i = 0; i < n; i++)
{
    sum = sum + arr[i];
}

avg
float avg;
avg =  $\frac{\text{sum}}{n}$ ;
printf("Average = %d", avg);
return 0;
}

```

③

```

#include <stdio.h>
int main()
{
    int arr[10], odd = 0, even = 0;
    printf("Enter a number");
    for (int i = 0; i <= 9; i++)
        scanf("%d", &arr[i]);
    for (int i = 0; i <= 9; i++)
    {
        if (arr[i] % 2 == 0)
            even = even + arr[i];
    }
}

```

else

odd = odd + arr[i];

printf("even = %d", even);

printf("odd sum = %d", odd);

return 0;

④ #include <stdio.h>

int main()

int arr[10];

printf("Enter array");

for (i = 0; i < 10; i++)

scanf("%d", &arr[i]);

max = arr[0];

for (i = 0; i < 10; i++)

If (max < arr[i])

max = arr[i];

printf("maximum Number = %d", max);

return 0;

⑤ #include <stdio.h>
int main()

{

int arr[10], ~~min~~ min;

printf("Enter a 10 number");

for(int i=0; i<=9; i++)

scanf("d", &~~arr~~arr[i]);

min = arr[0]

for(int i=0; i<=9; i++)

{

If (min > arr[i])

min = arr[i]

}

printf("minimum number = d", min);
return 0;

}

⑥ #include <stdio.h>
int main()

{

int arr[10], i

printf("Enter 10 number");

for (i=0; i<=9; i++)

scanf("d", &arr[i]);

```
for (i=0; i<=9; i++)
```

```
{  
    for (j=i+1; j<=9; j++)
```

```
{  
    if (arr[j] < arr[i])
```

```
{  
        temp = arr[j];
```

```
        arr[j] = arr[i];
```

```
        arr[i] = temp;
```

```
    }
```

```
}
```

```
}
```

```
for (i=0; i<=9; i++)
```

```
    printf("%d", arr[i]);
```

```
return 0;
```

```
}
```

```
⑦ #include <stdio.h>
```

```
int main()
```

```
{
```

```
    int n;
```

```
    printf("Enter a number");
```

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

```
int arr[n];
```

~~enter a value~~

```
printf("Enter a value");
```

```
for (int i = 0; i < n; i++)
```

```
scanf("%d", &arr[i]);
```

```
for (int i = 0; i < n - 1; i++)
```

```
{
```

```
for (int j = i + 1; j < n; j++)
```

```
{
```

```
if (arr[j] < arr[i])
```

```
{
```

```
int temp;
```

```
temp = arr[j];
```

```
arr[j] = arr[i];
```

```
arr[i] = temp;
```

```
}
```

```
}
```

```
}
```

```
for (i = 0; i < n; i++)
```

```
if (i == n - 2)
```

```
printf("second max = %d", arr[i]);
```

```
return 0;
```

```
}
```



```

8) #include <stdio.h>
int main()
{
    int n, i, j, temp;
    printf("Enter a number");
    scanf("%d", &n);
    int arr[n];
    printf("Enter a number for array");
    for(i=0; i<n; i++)
        scanf("%d", &arr[i]);
    for(i=0; i<n-1; i++)
    {
        for(j=1; j<n; j++)
        {
            if(arr[j] > arr[i])
            {
                temp = arr[j];
                arr[j] = arr[i];
                arr[i] = temp;
            }
        }
    }
    for(i=0; i<n; i++)
        if(i==n-2)
            printf("%d", arr[i]);
}

```

⑨ #include <stdio.h>

int main()

{

int n, i;

printf("enter a number");

scanf("%d", &n);

int arr[n];

printf("enter a number for array");

for(i=0; i<n; i++)

scanf("%d", &arr[i]);

for(i=n-1; i>=0; i--)

printf("%d", arr[i]);

return 0;

}

⑩ #include <stdio.h>

int main()

{

int n;

printf("enter a number");

scanf("%d", &n);

int arr[n], a[n], i;

printf("enter array element");

for(i=0; i<n; i++)

scanf("%d", &arr[i]);


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

```
for (i=0; i<n; i++)
```

```
    printf("%d\n", arr[i]);
```

```
for (i=0; i<n; i++)
```

```
    a[i] = arr[i]
```

```
printf("copy array");
```

```
for (i=0; i<n; i++)
```

```
    printf("%d\n", a[i]);
```

```
return 0;
```

✓