1)

#include<stdio.h>

#include<stdlib.h>

int main()

{

int i=1,j=0;

char c, \*p;

printf("enter the string :- ");

p=(char\*) malloc(sizeof(char));

while(c!='\n')

{

c=getc(stdin);

p=realloc(p,i++);

j++;

\*(p+j)=c;

}

\*(p+j)='\0';

printf("entered string is %s ",p);

free(p);

return 0;

}

2)

#include<stdio.h>

#include<stdlib.h>

int main()

{

int n,\*i;

printf("enter the no. of data values \n");

scanf("%d",&n);

int \*p;

p=(int \*)calloc(n,(sizeof(int ) ));

if(p==NULL)

{

printf("Memory allocation failed\n");

return 0;

}

printf("enter the data values in array\n");

for(i=p;i<=(p+(n-1));i++)

{

scanf("%d",i);

}

float sum=0;

for(i=p;i<=(p+(n-1));i++)

{

sum=sum+ (\*i);

}

printf("the average of the entered numbers is %f",sum/n);

free(p);

return 0;

}

3)

#include<stdio.h>

#include<stdlib.h>

int main()

{

int n,i;

printf("enter the no. of data values \n");

scanf("%d",&n);

int \*p;

int sum=0;

printf("enter the data values in array\n");

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

{

p=(int \*)malloc(sizeof(int ) );

scanf("%d",p);

sum=sum+ \*p;

free(p);

}

printf("the sum of the entered numbers is %d",sum);

return 0;

}

4)

#include<stdio.h>

#include<stdlib.h>

int main()

{

int i=1,j=0;

char c, \*p;

printf("enter the string :- ");

p=(char\*) malloc(sizeof(char));

while(c!='\n')

{

c=getc(stdin);

p=realloc(p,i++);

j++;

\*(p+j)=c;

}

\*(p+j)='\0';

printf("entered string is %s ",p);

free(p);

return 0;

}

5)

#include<stdio.h>

#include<stdlib.h>

int main()

{

int n,\*i;

printf("enter the no. of data values \n");

scanf("%d",&n);

int \*p;

p=(int \*)calloc(n,(sizeof(int ) ));

printf("enter the data values in array\n");

for(i=p; i<=(p+(n-1)); i++)

{

scanf("%d",i);

}

printf("inputed elements are :- \n");

for(i=p; i<=(p+(n-1)); i++)

{

printf("%d ",\*i);

}

float sum=0;

for(i=p; i<=(p+(n-1)); i++)

{

sum=sum+ (\*i);

}

printf("\n\nthe sum of the entered numbers is %f",sum);

free(p);

return 0;

}

6)

#include<stdio.h>

#include<stdlib.h>

int main()

{

int n,\*i;

printf("enter the no. of data values \n");

scanf("%d",&n);

int \*p;

p=(int \*)calloc(n,(sizeof(int ) ));

printf("enter the data values in array\n");

for(i=p; i<=(p+(n-1)); i++)

{

scanf("%d",i);

}

int max;

max=\*p;

for(i=p; i<=(p+(n-1)); i++)

{

if(\*i>max)

{

max=\*i;

}

}

printf("\nthe maximum number between the entered elements is %d",max);

free(p);

return 0;

}

7)

#include<stdio.h>

#include<stdlib.h>

int f()

{

int \*p,n;

p=(int \*)malloc(sizeof(int));

scanf("%d",p);

return \*p;

}

int main()

{

printf("enter your age\n");

printf("your age is %d",f());

return 0;

}

8)

#include<stdio.h>

#include<stdlib.h>

int f()

{

int \*p,n;

p=(int \*)malloc(sizeof(int));

scanf("%d",p);

free(p);

return \*p;

}

int main()

{

printf("enter your age\n");

printf("your age is %d",f());

return 0;

}

9)

#include<stdio.h>

#include<stdlib.h>

int main()

{

int n,\*i;

printf("enter the size of memory in bytes\n");

scanf("%d",&n);

int \*p;

p=(int \*)malloc(n);

if(p==NULL)

{

printf("Memory allocation failed\n");

return 0;

}

printf("enter the data value\n");

scanf("%d",p);

printf("entered data is %d",\*p);

free(p);

return 0;

}

10)

#include<stdio.h>

#include<stdlib.h>

int main()

{

int n,\*i,min;

printf("enter the no. of data values \n");

scanf("%d",&n);

int \*p;

p=(int \*)calloc(n,(sizeof(int ) ));

printf("enter the data values in array\n");

for(i=p; i<=(p+(n-1)); i++)

{

scanf("%d",i);

}

int max;

max=\*p;min=\*p;

for(i=p; i<=(p+(n-1)); i++)

{

if(\*i>max)

{

max=\*i;

}

else if(\*i<min)

{

min=\*i;

}

}

printf("\nthe maximum number between the entered elements is %d",max);

printf("\nthe minimum number between the entered elements is %d",min);

free(p);

return 0;

}