

1.what is c language?

Ans . c language is developed by Dennis ritchie .used to develop system softwere ,operating systems and applications

Example:

```
#include<studio.h>
```

```
Int main(){
```

```
Print("hello world");
```

```
return 0;
```

```
}
```

Out put:

hello world

2.what are applications of c language?

Ans:used to develop systems like unix ,linux,and windows.

Used in micro controllers and hardware programming.

Used to create the games

Used to develop utilities like text editors and network tools

3.what is variable?

Ans:a variable is name given to a memory location in the computer where data or values are stored

Example:

```
#include<studio.h>
```

```
Int main(){
```

```
Int a=5,b=2,sum=0;
```

```
Sum=a+b;
```

```
Print("%d",sum);
```

```
return 0;
```

```
}
```

Out put:

Sum=7

4.what are the different types of data types?

Ans:A data type in c language defines the type of data that variable can store such as integer,a character,or a floating point number

Examples :int ,float,char,double....

Types of data types:

1.primary data types:these are the fundamental types used to declare simple variables

Examples:int,float,char,double

2.derived data types:these are formed using basic data types

Examples:arrays,pointer,structures,unions

3.user defined data types

These are created by the programmer

Examples:typedef,enum

4.what is format specifier?

Ans.A format specifier in c language is a symbol used in input and output functions

Examples:%d,%f,%c,%s